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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: \_\_\_\_\_ Examiner #: \_\_\_\_\_ Date: \_\_\_\_\_  
Art Unit: \_\_\_\_\_ Phone Number: 2- \_\_\_\_\_ Serial Number: \_\_\_\_\_  
Location (Bldg/Room#): \_\_\_\_\_ (Mailbox #): \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK  
\*\*\*\*\*

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Date: \_\_\_\_\_

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

STAFF USE ONLY

Searcher: P. Schreiber Type of Search 4 NA Sequence (#)  
Searcher Phone #: 272-2526 1 AA Sequence (#)  
Searcher Location: Kensen E01A1 \_\_\_\_\_ Structure (#)  
Date Searcher Picked Up: \_\_\_\_\_ Bibliographic  
Date Completed: 4/5 \_\_\_\_\_ Litigation  
Searcher Prep & Review Time: 15 \_\_\_\_\_ Fulltext  
Online Time: 12 \_\_\_\_\_ Other

Vendors and cost where applicable

\_\_\_\_\_ STN \_\_\_\_\_ Dialog  
\_\_\_\_\_ Questel/Orbit \_\_\_\_\_ Lexis/Nexis  
\_\_\_\_\_ Westlaw \_\_\_\_\_ WWW/Internet  
☒ In-house sequence systems Compu  
\_\_\_\_\_ Commercial \_\_\_\_\_ Oligomer \_\_\_\_\_ Score/Length  
\_\_\_\_\_ Interference \_\_\_\_\_ SPDI \_\_\_\_\_ Encode/Transl  
\_\_\_\_\_ Other (specify)



Schreiber, David

149921E

**From:** Ramirez, Delia  
**Sent:** Monday, April 04, 2005 12:16 PM  
**To:** Schreiber, David  
**Subject:** case 09/784,340

Hi,

I would like to request the following interference search:

1. SEQ ID NO: 1 in the nucleic acid databases
2. SEQ ID NO:3 fragments 1-500, 5000-6000, 18000-19000 in the nucleic acid databases
3. SEQ ID NO: 2 in the protein databases.

Thank you,

---

Delia M. Ramirez, Ph.D.  
Patent Examiner  
Recombinant Enzymes-Art Unit 1652  
USPTO  
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70  
Alexandria, VA 22314  
(571) 272-0938  
delia.ramirez@uspto.gov





Result No.	Score	Query		Length	DB	ID	Description
		Match	\$				
1	2331.4	84.5	2966	4	US-09-976-594-241		Sequence 241, App
2	780.4	28.3	1376	4	US-09-356-806-112		Sequence 112, App
3	775.6	28.1	2107	3	US-09-180-852-1		Sequence 1, Appli
4	766	27.8	2092	4	US-09-356-806-7		Sequence 7, Appli
5	762.8	27.6	2092	4	US-09-949-016-2594		Sequence 2594, Ap
6	762.8	27.6	2092	4	US-09-949-016-3181		Sequence 3181, Ap
7	758	27.5	2093	4	US-09-949-016-1128		Sequence 1128, Ap
8	750	27.2	1854	4	US-09-356-806-39		Sequence 39, Appl
9	749.8	27.2	1629	4	US-09-949-016-2596		Sequence 2596, Ap
10	749.8	27.2	1708	4	US-09-949-016-2595		Sequence 2595, Ap
11	738.2	26.8	1832	4	US-09-949-016-2734		Sequence 2734, Ap
12	590.6	21.4	1323	4	US-09-949-016-2735		Sequence 2735, Ap
13	590.6	21.4	1323	4	US-09-949-016-2736		Sequence 2736, Ap
14	574	20.8	1413	3	US-09-813-918-1		Sequence 1, Appli
15	574	20.8	1413	3	US-01-060-311-1		Sequence 1, Appli
16	350	12.7	350	4	US-09-513-999C-3284		Sequence 3284, Ap
17	329	11.9	2339	5	PTC-US92-00282-2		Sequence 2, Appli
18	324.4	11.8	1001	4	US-09-671-317-388		Sequence 388, App
19	321.4	11.6	2351	4	US-09-949-016-76		Sequence 76, Appl
20	321.4	11.6	2351	4	US-09-949-016-1813		Sequence 1813, Ap
21	319.8	11.6	2336	5	PTC-US92-00282-1		Sequence 1, Appli
22	319.4	11.6	1001	4	US-09-671-317-389		Sequence 389, App
23	281.8	10.2	740	4	US-09-671-317-399		Sequence 399, App
24	272.2	9.9	735	4	US-09-305-856B-17		Sequence 17, Appl
25	228.8	8.3	1001	4	US-09-671-317-390		Sequence 390, App
26	203.6	7.4	18373	4	US-09-949-016-14338		Sequence 14338, A
27	203.6	7.4	18452	4	US-09-949-016-14337		Sequence 14337, A

Db 301 TTGACCTAGCTCTGAATGTCCTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAATTAA 360  
Qy 369 ATGATTTTTTTGTTGAAATAAGAGGAACCTTTAAATAATGATGTGTGAGAGCTTTTATCTACA 428  
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Qy 429 ATCAGAGCGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCCTG 488  
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Qy 489 TGATTCCTGTGTGAGAGCTGATGGCTGAGTTGCTTCAGTCCCTTTTGTGCTCACACTTA 548  
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Db 541 GAATTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAAAACCTTCAGGCTCCACTTTTCCT 600  
Qy 609 ATGTACTGTGCTATGACAGGACTAACAGACAGAATGACCTTTCTGGAAAGAGTAATAA 668  
Db 601 ATGTACTGTGCTATGACAGGACTAACAGACAGAATGACCTTTCTGGAAAGAGTAATAA 660  
Qy 669 ATTCAATGCTTTTCAGTTTGTTCCTACTTCTGGATTCAGGATACGACTATCAATTTTGGG 728  
Db 661 ATTCAATGCTTTTCAGTTTGTTCCTACTTCTGGATTCAGGATACGACTATCAATTTTGGG 720  
Qy 729 AAGAGTTTATAGTAAGGCAATAGGAAGGCCCACTACATATGTGAGACTGTGGGAAAAG 788  
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Qy 789 CTGAGATATGGCTAATACGAACATATTTGGATTTTGAATTTCTCTCAACCATACCAACCTA 848  
Db 781 CTGAGATATGGCTAATACGAACATATTTGGATTTTGAATTTCTCTCAACCATACCAACCTA 840  
Qy 849 ACTTTGAGTTTGTGGAGGATTCGACTGTAAACCTGCAAGCTTTGCCCTTAAGGAAATGG 908  
Db 841 ACTTTGAGTTTGTGGAGGATTCGACTGTAAACCTGCAAGCTTTGCCCTTAAGGAAATGG 900  
Qy 909 AAAATTTTGTCCAGAGTTTCAGGGGAAGATGATTTGTGGTGTGTTTCTCTGGGGTCACTGT 968  
Db 901 AAAATTTTGTCCAGAGTTTCAGGGGAAGATGATTTGTGGTGTGTTTCTCTGGGGTCACTGT 960  
Qy 969 TTCAAATGTTTACAGAGAAAGCGCTAAATATCATCTTCAGCCCTTGCCAGATCCCAAC 1028  
Db 961 TTCAAATGTTTACAGAGAAAGCGCTAAATATCATCTTCAGCCCTTGCCAGATCCCAAC 1020  
Qy 1029 AGAAGTGTTTATGGAGGTACAAAGGAAAACCAATCCATTTAGGAGCCAATACTCGGC 1088  
Db 1021 AGAAGTGTTTATGGAGGTACAAAGGAAAACCAATCCATTTAGGAGCCAATACTCGGC 1080  
Qy 1089 TGTATGATTTGATACCCAGATGATCTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1148  
Db 1081 TGTATGATTTGATACCCAGATGATCTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1140  
Qy 1149 CTCATGTTGGAATGAATGGGATCTATGAAGCTATTTACCATGGGTCCTATGTTGGGAG 1208  
Db 1141 CTCATGTTGGAATGAATGGGATCTATGAAGCTATTTACCATGGGTCCTATGTTGGGAG 1200  
Qy 1209 TTCCCATATTTTGGTGTATGATGATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1268  
Db 1201 TTCCCATATTTTGGTGTATGATGATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1260  
Qy 1269 TAGAATAAATCTTCAAAACCTATGACAGCGAAGATTTACTGAGGCTTTTGAGAACAGTCA 1328  
Db 1261 TAGAATAAATCTTCAAAACCTATGACAGCGAAGATTTACTGAGGCTTTTGAGAACAGTCA 1320  
Qy 1329 TTACCGATTCCTCTTATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAAC 1388  
Db 1321 TTACCGATTCCTCTTATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAAC 1380  
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Qy 1449 CCAAGCACTGCGATCAGCTGCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATG 1508  
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Qy 1509 TCATTTGGGTTTCTGCTGACCTGTGTGGCAATGCTATATTTCTTTGTCACAAAATGTTTTT 1568  
Db 1501 TCATTTGGGTTTCTGCTGACCTGTGTGGCAATGCTATATTTCTTTGTCACAAAATGTTTTT 1560  
Qy 1569 TATTTTCTGTCACAAAATTTAATAAACTAGAAAAGATAGAAAAGAGGGAATAGATCTTTTC 1628  
Db 1561 TATTTTCTGTCACAAAATTTAATAAACTAGAAAAGATAGAAAAGAGGGAATAGATCTTTTC 1620  
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Db 1621 CAAATTCAGAAGACCTGATGGGTAATCCTGTTAAATTCAGCCACATAGAAATTTGGTG 1680  
Qy 1689 AAAACCTTGCTATTTTCATATTTATCTATCTGTTATTTTATCTTAGCTATATAGCCTAGA 1748  
Db 1681 AAAACCTTGCTATTTTCATATTTATCTATCTGTTATTTTATCTTAGCTATATAGCCTAGA 1740  
Qy 1749 ATTCAATGATATGAGGTTGTGAGTATATCTCATTTCTTTCTGTTGCAATTTTCTAGGTG 1808  
Db 1741 ATTCAACGATCATGAGTTGTGAGTATATCTCATTTCTTTCTGTTGTAATTTTCTAGGTG 1800  
Qy 1809 CTTACTCTCTCTCTCACTTTGTGACACAGGACATGATACATCTAAATTTTCTTATTT 1868  
Db 1801 TTTACTCTCTCTCTCACTTTGTGACACAGGACATGATACATCTAAATTTTCTTATTT 1860  
Qy 1869 CTGATATCACTGTTTCCATGAGCTCATTTACTTCTCTAACTTTAAAGTGATAGGCTGACCTG 1928  
Db 1861 CTGATATGACTGTTTGTGATGATCTATTTCTATTAACCTTTAAGTGATAGGCTGACATG 1920  
Qy 1929 CAAATATGCTGATTCCTGGGTTTGCACAAACATCATGGATGTAAAGAGTAAAGATGTAA 1988  
Db 1921 CAAATATGATTTCTCTGGTGTGGCCCAACACATGGATGTAAAGAGGTAAAGATGTAA 1980  
Qy 1989 AATTACAAAATTCAGTAAACCAACCAATCAATGAAGCATTTCTATGACATTTAGCTTTGT 2048  
Db 1981 AATTACAAAATTCAGTAAACCAACCAATCAATGAAGCATTTCTATGAGATTTAGCTTTGT 2040  
Qy 2049 ATGAGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCAT 2108  
Db 2041 ATGAGAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCAT 2100  
Qy 2109 TACTGATCTCAGCAATGATTTGCTTAAATGACGATAGGCAATTTACATCAGAAATAGTT 2168  
Db 2101 CAGTGAATCTCAGAAAATAAATTTGCTAAATGATGACATGGCAATTTATGCTTAGAAAAGTT 2160  
Qy 2169 TGTATATTTCCACATACCTCATCTAGATGTCATAGCCCTACATTTCTGCCATCCTTAAC 2228  
Db 2161 TGTGTATTTCCATAGACCTCATCTAGATGTCATGGCCCTACATTTCTGCCATCCTCAAC 2220  
Qy 2229 TGACA - TTTTGTGTGTTCTTGATGATAAATAGACAGTTCTTATTTATTTGCTCCTCAATA 2287  
Db 2221 CAATACTTTTCTGTTTCTTGATGATAAATAAGACCTTTCTCATGATTTGCCATCAATA 2280  
Qy 2288 ATAAAAGAAACT - GAAATTTTCTTACATAGAGAAATGTGCCATAGATATTTCAAGTTAA 2346  
Db 2281 ACAAAGAAACTATTTTCTTCTCATAGAGAAACATGTGCTAGTAAGATATTTCAAGGTGAA 2340  
Qy 2347 CAGATTTATTTTCAGATAGTACCATTTAGAAATATGTGATGTTTCTGATTTTATATA 2406  
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Qy 2407 AATTTTAAATTTAGTACACTT - ----GATTTAAATGTCTATTTCTTT - AAAATGATGAA 2459  
Db 2401 AA - TTTATTTGATAGTACACTTTAAAGAGATTTATATGTTTATTTCTTTAAATAATGATGAA 2459  
Qy 2460 TACTCATAAATTTCTTATCTCTATAAATCAAAAGTATTAATTTTACTGTGAGAAAAATAAGAGAT 2519  
Db 2460 TACTCATAAATTTCTTATCTCTATAAATCAAAAGTATTAATTTTACTGTGAGAAAAATAAGAGAT 2519

QY 2520 GCTTGTCTGAAAGTAAAA 2538  
Db |||||

QY 2520 GCTTGTCTGAAAGTAAAG 2538  
Db |||||

## RESULT 2

US-09-356-806-112  
; Sequence 112, Application US/09356806  
; Patent No. 6586175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura  
; APPLICANT: Galvin, Margaret  
; APPLICANT: Miller, Andrew  
; APPLICANT: Reidy, Michael  
; TITLE OF INVENTION: Genotyping Human  
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and  
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes  
; FILE REFERENCE: SEQ-22PRV2  
; CURRENT APPLICATION NUMBER: US/09/356,806  
; CURRENT FILING DATE: 1999-07-20  
; NUMBER OF SEQ ID NOS: 164  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 112  
; LENGTH: 1976  
; TYPE: DNA  
; ORGANISM: H. sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (11)...(1598)  
US-09-356-806-112

Query Match 28.3%; Score 780.4; DB 4; Length 1976;  
Best Local Similarity 68.5%; Pred. No. 2.8e-184;  
Matches 1113; Conservative 0; Mismatches 501; Indels 12; Gaps 2;

QY 35 ATCATGAGCTTGACAGTCAAGCTTGGTATTTCTGCTCTCGAGCTCTTCTGT---GTT 91  
Db |||||

QY 5 ACCAGGATGCTCTGAAATGGACGCTCAGTCTTCTGCTGATACAGCTCAGTTGACTTT 64  
Db |||||

QY 92 GGCTGTGATCTCTGGGAAAGTCTGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 151  
Db |||||

QY 65 AGCTCTGGAAGCTGTGGAAGGTGTGTGTGGCCACAGAAATCAGCCATTGGAAT 124  
Db |||||

QY 152 GTCAAGGTCACTTAGAAGAGCTCATAGTGAGAGCCATGAGGTAACAGTATTGACTCAC 211  
Db |||||

QY 125 ATGAAGACAACTCTGGAAGAGCTTGTTCAGAGGGTCAATGAGGTGACTGTGTGACATCT 184  
Db |||||

QY 212 TCAAGCCCTTCTTAATTTGACTACAGGAGCTTCTGCAATTTGAAATTTGAGGTGGTCAT 271  
Db |||||

QY 185 TCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAATTAAGTATTATCCT 244  
Db |||||

QY 272 ATGCC-----ACAGGACAGAACAGAGAAATGAAATTTGTTGACCTAGCTCTG 322  
Db |||||

QY 245 ACATCTTTAACTAAATGATTTGGAAGATTTCTCTGGAATTTCTGATAGATGGAATA 304  
Db |||||

QY 323 AATGCTTTCAGGCTTATCAACCTGGCAATCAGTTATATAAATTTAAATTTTGT 382  
Db |||||

QY 305 TATGGTGTTCAAAAATACATTTTGTGTCATATTTTTCACAAATTAAGAATTTGTGTTG 364  
Db |||||

QY 383 GAAATAGAGAACTTTAAATGATTTGAGAGCTTTATCTCAATTCAGACCTTATG 442  
Db |||||

QY 365 GAATATTATGACTACAGTAAACAGCTCTGTAAGATGCAAGTTTGAATTAAGAACTTATG 424  
Db |||||

QY 443 AAGAAGCTACAGGAAACCACTACGATGATGTTATAGACCTGTGATTCCTGTGGA 502  
Db |||||

QY 425 ATGAACTACAGAGTCAAGTTGATGTCATTTCTGGCAGATGCCCTTAATTCCTGTGTT 484  
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QY 503 GACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGA 562  
Db |||||

QY 485 GAGCTACTGGCTGAACATTTAAATACCTCTTCTGTACAGTCTTCGATCTCTGTGTTGGC 544  
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QY 563 GGCAATATGGAGCAAGCTGTGGAAACTTCCAGCTCCACTTCTCTATGATACCTGTGCT 622  
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Db 545 TACACATTTGAGAAGAATGTTGGAGGATTTCTGTTCCTCTCTCTCTATGATACCTGTTGTT 604  
QY 623 ATGACAGGACTAACACAGACAGAATGACCTTTCTGGAAGAGTAAAAAATTCATGCTTTCA 682  
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QY 605 ATGTCAGAAATTAAGTGATCAATGATTTTCATGAGAGGATAAAAAATATGATACATATG 664  
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QY 683 GTTTTGTTCACCTTCTGATTTAGGATTTAGCATATCATTTTTCGGGAAGATTTTATAGT 742  
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QY 743 AAGCATTAGGAGGCGCCACTACATTTATGAGACTGTGGAAAAAGCTGAGATATGGCTA 802  
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QY 725 GAAGTTCTAGAGACCCACTACATTTATGAGCAATGGGAAAGCTGAATTTGGCTC 784  
Db |||||

QY 803 ATACGAACATATTTGGGATTTTGAATTTCTCAACCATACCAACCTAACTTTTGAATTTGTT 862  
Db |||||

QY 785 ATTGGAACCTATTGGGATTTTGAATTTCTCGCCCATTTTACCAAAATTTGATTTGTT 844  
Db |||||

QY 863 GGAGGATTCATCTGTAACCTGCCAAAGCTTTGCTTAAGGAATTTGAAAAATTTTGTCCAG 922  
Db |||||

QY 845 GGAGGACTTCACTGTAAACCCAGCCAAACCTGCTTAAGGAATTTGGAAGAGTTTGTGCG 904  
Db |||||

QY 923 AGTTTCAGGGAAGATGTTGTTGTTGTTCTCTGCGGTCACCTGTTTCAAAATTTTACA 982  
Db |||||

QY 905 AGCTCTGGAGAAATGTTGTTGTTGTTCTCTGCGGTCGATGATCAGTAAACATGTCA 964  
Db |||||

QY 983 GAAGAAAGGCTAATATCATTTGCTTTCAGCCCTTTCGCCAGATCCCAAGAGGTTTATGG 1042  
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QY 965 GAAGAAAGTGCACATGTTGATCAGCTTTCGCCAGATCCCAAGAGGTTTCTATGG 1024  
Db |||||

QY 1043 AGGTACAAAGAAAAAACCATCCACATTTAGGAGCCAAATCTCGGCTGTATGATTTGATA 1102  
Db |||||

QY 1025 AGATTTGATGCAAGAAAGCCAAATACCTTTAGTTTCCAAATCTCTGACTGTCAAGTGGTTA 1084  
Db |||||

QY 1103 CCCAGAGATGATCTTCTGCTCATCCCAACCAAGCTTTTATCACTCATGTTGGGATG 1162  
Db |||||

QY 1085 CCCAGAGATGCTTCTGCTCATCCCAACCAAGCTTTTATCACTCATGTTGGGAACT 1144  
Db |||||

QY 1163 AATGGGATCTATGAAGCTATTTACCATGGGCTTCTATGGGGAGTTTCCCATATTTGGT 1222  
Db |||||

QY 1145 AATGGCATCTATGAGGGATCTACCATGGGATCCCTATGTTGGGATTTCCCTGTTGGG 1204  
Db |||||

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QY 1205 GATCAACATGATAACATTTGCTCATGAAAGCCAAAGGAGGAGCCCTCAGTGTGACATC 1264  
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QY 1283 ABACTATGACAGGAGGATTTACTGAGGCTTTGAGAACAGTATTCAGATTCCTCT 1342  
Db |||||

QY 1265 AGGACCATGTCAAGTAGAGATTTGCTCAATGTCATTTGAAGTCAGTCAATATGACCTGTC 1324  
Db |||||

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Db |||||

QY 1325 TATAAGAGATGCTATGAGATTTATCAAGAAATTCATGATGACCAACCAATGAAGCCCTG 1384  
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QY 1403 GATCAGCAGCTTCTGATTCGAGTTTGTATGCGCCAAAGAGGAGCAAGCACTGCGA 1462  
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QY 1385 GATCAGCAGCTTCTGATTTGATTTGTCATGCGCCAAAGAGGAGCAAGCACTGCGA 1444  
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QY 1505 CTGCGCTGTGGCACTGATTTATCATCAAAAATTTTGCCTGTTTGTTCGGA 1564  
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QY 1583 AAATTTTAAATACTAGAAAGATAGAAAGAGGGAATAGATCTTTTCAAAATTCAGAAAG 1642  
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QY 1565 AAGCTTCCCAAAACAGGAAAGAGAGATAGTATATCAAAAGGCTGGAAGT 1624  
Db |||||

QY 1643 ACCTGA 1648  
Db |||||

QY 1625 GAATGA 1630  
Db |||||

RESULT 3  
US-09-180-852-1  
; Sequence 1, Application US/09180852  
; Patent No. 6287834  
; GENERAL INFORMATION:  
; APPLICANT: BELANGER, Alain  
; APPLICANT: HUM, Dean W.  
; APPLICANT: BEAULIEU, Martin  
; APPLICANT: LEVESQUE, Eric  
; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE  
; FILE REFERENCE: 1259-449  
; CURRENT APPLICATION NUMBER: US/09/180,852  
; CURRENT FILING DATE: 1999-02-08  
; EARLIER APPLICATION NUMBER: PCT/CA97/00328  
; EARLIER FILING DATE: 1997-05-16  
; EARLIER APPLICATION NUMBER: US 08/649,319  
; EARLIER FILING DATE: 1996-05-17  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 2107  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (52)..(1644)  
US-09-180-852-1

Query Match 28.1%; Score 775.6; DB 3; Length 2107;  
Best Local Similarity 68.3%; Pred. No. 4.6e-183;  
Matches 1110; Conservative 0; Mismatches 504; Indels 12; Gaps 2;  
QY 35 ATCATGAGGTCTGACAAAGTCAGCTTTGGTATTTCTGCTCTGCTGAGCTCTTCTGT---GTT 91  
DB 46 ACCAGATGTCCTGAAATGGATGTCAGTCTTCTGCTGATGAGCTCAGTTGTTACTTT 105  
QY 92 GGTGTGGATTTCTGTGGGAAAGTCCTGTGTGGCCCTGTGACATGAGCCATTTGGCTTAAT 151  
DB 106 AGCTCTGGGAGTTGTGGAAAGTGTGTGTGTGGCCACAGAAATACAGCCATTGGATAAAT 165  
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DB 166 ATGAAGACATCTCGAAGAGCTTGTTCAGAGGGGTCTAGAGTATTGTGTGACATCT 225  
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DB 226 TCGGCTTCTATTCTTCTCAATGCCAGTAATCATCTGCTATTAAATTAAGATTTATCCT 285  
QY 272 ATGCCACAGACAGAACAGAGAAATGAAATATTT-----GTTGACCTAGCTCTG 322  
DB 286 ACATCTTTAACTAAATAATGATTTGGGAAGATTTTTTATGAAATGTTTCGATAGATGGACA 345  
QY 323 AATGTCTTCCAGGCTTATCAACTGCAATCAGTTTAAATTAATTAATTAATTTTGT 382  
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QY 383 GAAATTAAGAGGAATTTTAAATATGATGTGTGAGAGCTTTTATCTACAATCAGACGCTTATG 442  
DB 406 GAATATTTGACTATAATAAGCTCTGTGAGATGCACTTTTGAACAAGAACTTATG 465  
QY 443 AGAAGCTACAGAAACCAACTACGATGTAATGCTTATAGCCCTGTGATTCCTGTGGA 502  
DB 466 AGAAAACACAGAGTCAAAATTTGATGTCCTTCTGGCAGATGCCCTTAAATCCCTGTGT 525  
QY 503 GACCTCATGGCTGAGTTGCTGAGTCCCTTTGCTGCTCACACTTGAATTTCTGTGGA 562  
DB 526 GAGCTGCTGCTGAATCTACTTAACATACCCTTTCTGACAGTCTCCGCTTCTGTGTGC 585  
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DB 586 TACACAGTTGAGAGAAATGGTGGAGGATTTCTGTCTCCCTCTCTCTATGTACCTGTGT 645  
QY 623 ATGACAGGACTAAACAGACAGATGACCTTTCTGGAAAGAGTAAATAATCAATGCTTCA 682  
DB 646 ATGTGAGAAATTAAGTGATCAAAATGATTTTCATGGAGAGGATAAAAAATATATATATG 705  
QY 683 GTTTTGTCCACTTCTGGATTCCAGATTACGACTATCATTTTGGGAAAGAGTTTATAGT 742  
DB 706 CTTTATTTTGACTTTTGGTTTCAAGCATATGATCTGAAGAGTGGGACGAGTTTATAGT 765  
QY 743 AAGGCATTAGGAAGCCCACTACATATGTGAGACTGTGGGAAAGCTGAGATATGGCTA 802  
DB 766 GAAGTCTTAGGAAGACCCACTACATTTATGAGCAATGGGAAAGCTGAAATTTGGCTC 825  
QY 803 ATACGAACATATTGGGATTTTGAATTTCTCTCAACATACCACCTAACTTTTCAGTTGTT 862  
DB 826 ATTCGAACCTATTGGGATTTTGAATTTCTCTGCCCAITTTTACCAAAATGTTGATTTGTT 885  
QY 863 GGAGGATTGCACTGTAAACCTGCCAAAGCTTTCCTTAAGGAAATGAAAAATTTTGTCCAG 922  
DB 886 GGAGGACTTCACTGTAAACCCAGCCAAACCTTGCCTTAAGGAAATGGAAGAGTTTGTGCAG 945  
QY 923 AGTTCAGGGGAAGATGTTGTTGTTCTCTGGGGTCACTGTTTCAAAATGTTACA 982  
DB 946 AGCTCTGGAGAAATGGTATTGTTGTTCTCTGGGGTCAATCATGATCAGTAAACATGTCA 1005  
QY 983 GAAGAAAGGCTTAATATCATTTGCTTACGCTTCCAGCTTCCAGATCCACAGAGGTGTTATGG 1042  
DB 1006 GAAGAAAGTGCCCAACATGATTTGCTTCCAGCTTCCAGATCCACAAAGGTTCTATGG 1065  
QY 1043 AGGTCAAAAGGAAAAAACCATCCATTTAGGAGCAATATCTCGGCTGTATGATTTGGATA 1102  
DB 1066 AGATTTGATGGCAAGAGCAAAATACTTTAGTTCCTCAATCTCGACTGTATAAGTGTTA 1125  
QY 1103 CCCCAGAAATGATCTTTCTGGTCAATCCCAAAACCAAAAGCTTTTATCACTCATGGTGAATG 1162  
DB 1126 CCCCAGAAATGATCTTTCTGGTCAATCCCAAAACCAAAAGCTTTTATTAACCTCATGGTGAACC 1185  
QY 1163 AATGGGATCTATGAAGCTATTTACCATGGGTCCCTATGTTGGGAGTTCCTCATATTTGGT 1222  
DB 1186 AATGGCATCTATGAGGCGATCTACCATGGGATCCCTATGTTGGGCGATTTCCCTTGTGGG 1245  
QY 1223 GATCAGCTTGATAACATAGTCAATGAAGGCCAAAGAGAGAGCTGTAGAAATAAATTC 1282  
DB 1246 GATCAACATGATTAACATTTGCTCAATGAAGCCAGGAGGAGCCCTCAGTGTGACATC 1305  
QY 1283 AAACTATGACAAAGCAAGATTTACTGAGGGCTTTTGAGAACAGTCAATACCGATTCCTCT 1342  
DB 1306 AGGACCATGTCAAGTAGAGATTTGCTCAATGCAATGAAAGTCAATTAATGACCTATC 1365  
QY 1343 TATAAGAGAGATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTGTAAGGCCCTA 1402  
DB 1366 TATAAGAGAGATATCATGAAATTTCAAGAAATTCATCATGATCAACCGGTGAAGCCCTCG 1425  
QY 1403 GATCAGAGAGCTCTTCTGGATCGAGTTTGTCTGCGCCCAAAAGAGAGCCAAAGCCTGCGCA 1462  
DB 1426 GATCAGAGAGCTCTTCTGGATGAGTTTGTCTGCGCCCAAAAGAGAGCCAAAGCCTGCG 1485  
QY 1463 TCAGTGTCCCATGACCTCACTGGTTCAGGACTACTCTATAGATGTGATGGGTTCCTG 1522  
DB 1486 GTCCGAGCCCAACACCTCACTGGATCCAGTACCACCTCTTTGGATGTGATGCAATTCCTG 1545  
QY 1523 CTGACCTGTGGCAACTGCTATATTTCTGTTCAAAAATGTTTTTATTTTCTCTGTCAA 1582  
DB 1546 CTGGCTCGGTGGCAACTGATATTTATGATCAAAAATGTTGCTGTTTGTTCCTGCA 1605  
QY 1583 AAATTTAAATAAATAAGATAGAAAAGGGGAATAGATCTTTTCCAAATTTCAAGAAAG 1642  
DB 1606 AGCTTGCAAAACAGAGAAAGAGAGAAAGGGATTAGTTATATCAAAAGCCTGAAGTG 1665  
QY 1643 ACCTGA 1648  
DB 1666 GAATGA 1671

RESULT 4  
US-09-356-806-7  
; Sequence 7, Application US/09356806  
; Patent No. 6586175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura  
; APPLICANT: Galvin, Margaret  
; APPLICANT: Miller, Andrew  
; APPLICANT: Reidy, Michael  
; TITLE OF INVENTION: Genotyping Human  
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and  
; FILE REFERENCE: 2B15 (UGT2B15) Genes  
; CURRENT APPLICATION NUMBER: US/09/356,806  
; CURRENT FILING DATE: 1999-07-20  
; NUMBER OF SEQ ID NOS: 164  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 7  
; LENGTH: 2092  
; TYPE: DNA  
; ORGANISM: H. sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (38)...(1621)  
US-09-356-806-7

Query Match 27.8%; Score 766; DB 4; Length 2092;  
Best Local Similarity 68.7%; Pred. No. 1.1e-180;  
Matches 1102; Conservative 0; Mismatches 490; Indels 12; Gaps 3;  
34 CATCATGAGCTTCACAAAGTCAGCTTTGGTATTCTCTGCTCCTGCGAGCTCTCTCTGT---GT 90  
31 CATCAGGATGCTATGAATGAGCTTCAGCTCTCTCTGCTGATACAGCTGAGCTGTACTT 90  
91 TGGCTGTGGATTCTGTGGGAAAGTCTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAA 150  
91 TAGCTCTGGGAGTTGTGGAAAGTGTGGTGTGGCCCAACAGAAATTCAGCCACTGGATCAA 150  
151 TGTCAGGTCAATCTAGAGAGCTCATAGTCAGAGGCCATGAGCTTAACAGTATTGACTCA 210  
151 TATAAAGACAATCTGGATGAACCTGTCCAGAGAGGTCTATGAGTGACTGTATTGGCATC 210  
211 CTAAAGGCTTCGTTAAATGACTACAGGAAGCCCTTCTGCAATGAAATTTGAGGTGGTCCA 270  
211 TTGAGCTTCCATTTCTTCGATCCCAACAGCCCACTACTCTTAAATTTGAGTTTATCC 270  
271 TATGCCACAGACAGAACAGAGAAATGAAATATTTTGTGACCTAGCTCTGA-----A 324  
271 TGTATCTTTAACTAAACTGAGTTTGAGGATATTATCAAGCAGCTGGTTAAGAGATGGGC 330  
325 TGTCTTGGCAGGCTTATCAACTGGCAATCAGTTTATAAATTAATGATTTTGTGTGA 384  
331 AGAACTTCCAAAGACACATTTGGTCAATATTTTTCACAGTACAAGAAATCATGTGGAC 390  
385 AATAAGAGAACTTTAAATGATGTGTGAGAGCTTTTATCAATCAGAGCTTTATGAA 444  
391 ATTTAATGACATACTAGAAAGTTCTGTAAAGATATAGTTTCAATTAAGAACTATGAA 450  
445 GAAGCTACAGAAACCAACTACGATGTAAGCTTTATAGACCCTGTGATTCCTCTGGAGA 504  
451 GAAACTACAGGAGTCAAGATTTGATTTGTTCTTTCGAGATGCTGTTTTCCCTTTGGTGA 510  
505 CTTGATGGCTCAGTTGCTTGGAGTCCCTTTTGTGCTCAGCTTGAATTTCTGTAGAGG 564  
511 GCTCTGCGCCAGTTACTTAAATATACCTTTTGTCTACAGCTTCGCTCTCTCTCGCTA 570  
565 CAATATGAGGGAAGCTGTGGAAACTTCCAGCTCCACTTTTCTTATGTACCTGTGCTAT 624  
571 CGCAATTTGAAAGCATAGTGAGAGACTTCTGTTCCCTCTCTCTTATGTGCTGTGTAT 630  
625 GACAGGACTTAACAGACAGAAATGACCTTTCTTGGAAAGAGTAAATAATTCATGCTTTTCAGT 684

Db 631 GTCAGAACTAAGTGACCAAAATGACTTTTCATAGAGAGGGTAAATAATATGATCTATGTCT 690  
Qy 685 TTTGTTCCACTTCTGGATTAGGATTACGACTATCATTTTGGGAGAGTTTATAGTAA 744  
Db 691 TTAATTTGAATTTTGGTTCCAAATATTGATGATGAAGAAGTGGGATCAGTTCTACAGGA 750  
Qy 745 GGCATTAGGAAGGCCCACTACATTTATGTGAGACTGTGGGAAAGCTGAGATATGCTAAT 804  
Db 751 AGTTCTAGGAAGACCCACTAGTTTATCTGAGACAAATGGCAAAAGCTGACATATGGCTTAT 810  
Qy 805 ACGAACATATTGGGATTTTGAATTTCTCTCAACCAATACCAACCTAACCTTGTAGTTTGG 864  
Db 811 TCGAACACTACTGGGATTTTCAATTTCTCTCACCCTCTTACCAATTTGAGTTGCTTGG 870  
Qy 865 AGGATTCACCTGTAAACCTGCAAGCTTTTCCCTTAAGGAAATGAAAATTTTGTCCAGAG 924  
Db 871 AGGACTCACTGCAAACTGCAAACTGCAAACTGCAAACTGCAAACTGCAAACTGCAAA 930  
Qy 925 TTCAAGGGGAAGATGTTATTTGTGTTTCTCTCTGGGTCACCTGTTTCAAAATGTTACAGA 984  
Db 931 CTCTGGAGAAAATGTTGTTGTTGTTTCTCTGGGTCGATGTCAGTACACGTCAGA 990  
Qy 985 AGAAAGGCTAATATCATTTGCTTCAGCCCTTGGCCAGATCCCAAGAGGTGTTATGGAG 1044  
Db 991 AGAAAGGCTAATGTAATTTGATCAGCCCTTGGCCAGATCCCAAGAGGTGTTCTGTGGAG 1050  
Qy 1045 GTACAAAGGAAAGAAACCATCCACATTAGGAGCAATACCTCGGCTGTATGATGGATACC 1104  
Db 1051 ATTTGATGGGAATAAACCAGATCTTTTAGGACTCAATCTCGGCTGTACAAAGTGGATACC 1110  
Qy 1105 CCAGATGATCTTCTGCTCATCCCAAAACCAAAAGCTTTTATCACTCATGTGGAAATGAA 1164  
Db 1111 CCAGATGATCTTCTGCTCATCCCAAAACCAAAAGCTTTTATCACTCATGTGGAGCCAA 1170  
Qy 1165 TGGATCTATGAAGCTATTTACATGGGTCCTTATGTTGGAGGTTCCTCATATTTTGTGGA 1224  
Db 1171 TGGCATCTATGAGCAATACCATGGAATCCCTATGTTGGGCGCTTCCATGTTTTCAGA 1230  
Qy 1225 TCAGCTTGATAACATAGCTCACAATGAGGCCCAAGGAGCAGCTGTAGAAATATAACTTCAA 1284  
Db 1231 TCAACCTGATAACATGACACATGAAAGGCCCAAGGAGCAGCTGTAGTTGGACTTCCA 1290  
Qy 1285 AACTATCACAAGCAAGATTTTACTGAGGCTTTTGCAGAACAGTCAATACCGATTCCTCTTA 1344  
Db 1291 CACAATGTCGATACAGCTTACTCAATGACTGAACAGCAGTAAATTAATGATCCTTATA 1350  
Qy 1345 TAAAGAAATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTGTAAAGCCCTTGA 1404  
Db 1351 TAAAGAAATGCTATGAAATTTATCAAGAAATTCATCATGATCAACAGCAGTGAAGCCCTTGA 1410  
Qy 1405 TCGAGCAGCTTCTGAGTGGATTTGTCATGCGCCCAAGAGGAGCCAGCAGCTTGGATC 1464  
Db 1411 TCGAGCAGCTTCTGAGTGGATTTGTCATGCGCCCAAGAGGAGCCAGCAGCTTGGAT 1470  
Qy 1465 AGCTGCGCATGACCTCAGCTGGTTTCCAGCACTACTCTATAGATGTGATTTGGTTCTGCT 1524  
Db 1471 TCGAGCCCAAGCTCAGCTGTTTCCAGTACCCTCTTGGATGTGATGGTCTGCTGCT 1530  
Qy 1525 GACTGTGTGGCACTGCTATATTTTGTTCACAAAATGTTTTTATTTTCTCTCTCAAAA 1584  
Db 1531 GGCCTGTGTGGCACTGCTATATTTTATCATCATCAAAAATGCTGTGTGTGTCTG---GAA 1587  
Qy 1585 ATTATAAAGCTAGAAAGATAGAAAGAGGATAGATCTTTC 1628  
Db 1588 GTTGTGTAGAACAGGAAAGAGGAGGAAAGAGATTAATACGTC 1631

RESULT 5  
US-09-949-016-2594  
; Sequence 2594, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:



; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3181  
; LENGTH: 2092  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-3181

Query Match 27.6%; Score 762.8; DB 4; Length 2092;  
Best Local Similarity 68.6%; Pred. No. 7.1e-180;  
Matches 1100; Conservative 0; Mismatches 492; Indels 12; Gaps 3;

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QY 34 CATCATGAGTCTCACAGTCAAGTCTTGGTATTTCTGCTCTCTGAGCTCTTCTGT---GT 90
DB 31 CATCAGGATGCTATGAATGGAATTCAGCTCTTCTGTGATACAGCTGAGCTGTACTT 90
QY 91 TGGCTGTGGATTCTGTGGGAAAGTCCCTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAA 150
DB 91 TAGCTCTGGGAGTTGTGGAAAGTGTCTGGTGTGGCCACAGAAATTCAGCCACTGGATGA 150
QY 151 TGCAAGGTCAATCTAGAAGAGTCTCATAGTGAAGGCCATGAGTAACAGATTTGACTCA 210
DB 151 TATAAAGACAATCTGGATGAATCTGTCCAGAGAGGTCTAGGAGTCTGATTTGGCATC 210
QY 211 CTCAAGCCTTCGTTAATGACTACAGGAGCCTTCTGCATTGAAATTTGAGGTGGTCCA 270
DB 211 TTCAGCTTCCATTTCTTTCGATCCCAACAGCCCATCTACTCTTAATTTGAAGTTTATCC 270
QY 271 TATGCCACAGACAGACAGAAAGTAAATTTGTTGACCTAGTCTCTGA-----A 324
DB 271 TGTATCTTTAACTAAAGTGTGTTGAGGATATTTCAAGCAGCTGTGTAAGATGGC 330
QY 325 TGTCTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAATTAATGATTTTTTGTGA 384
DB 331 AGAACTTCCAAAAGACACATTTTGGTCAATTTTTCACAGTACACAGAAATCATGTGGAC 390
QY 385 AATAAGAGGAACTTTAAATGATGTGTGAGAGCTTTATCTACAAATCAGAGCTTATGAA 444
DB 391 ATTTAATGACATCTTGAAGATTTCTGTAAGGATATAGTTTCAATAAGAAATTTATGAA 450
QY 445 GAAGTACAGGAAACCACTACGATGTAATCTTATAGACCTGTGATTCCTGTGCGAGA 504
DB 451 GAACACTACAGAGTCAAGATTTGATGTTCTTTCGAGATGCTGTTTCCCTTTGTGA 510
QY 505 CCGATGCTGAGTGTGCTGAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGAGG 564
DB 511 GCTGCTGCCGAGTTACTTAAATACCTTTGTCTACAGCTCCGCTTCTCTCTGGCTA 570
QY 565 CAATATGGAGGAGCTGTGGGAAATCTCCAGCTCCACTTCTCTATGCTAGCTGCGCTAT 624
DB 571 CGCAATTTGAAAGCATAGTGGAGGACTTCTGTTCCCTCTCTTCTATGCTGTGTTAT 630
QY 625 GACAGGACTACACAGAAATGACTTCTGGAAGAGTAAATAATCAATGCTTTTCAGT 684
DB 631 GTCAAGAACTAGTGACCAATGACTTTCATAGAGGGTAAATAATGATCTATGTGCT 690
QY 685 TTTGTTCCACTTCTCGGATTCAGGATTAAGACTATCATTTTGGGAAGAGTTTTATAGTAA 744
DB 691 TTATTTTGAATTTTGGTTCCAAATATTTGACATGAAGAGTGGATCAGTTCTACAGTGA 750
QY 745 GGCATTAAGAGGCCCTACATATTAATGAGACTGTGTGGGAAAGCTGAGATATGGCTAAT 804
DB 751 AGTTCTAGGAAGACCCACTAGTTTATCTGACAAATGCGCAAAAGCTGACATATGGCTTAT 810
QY 805 ACGACATATGGCAATTTGAAATTTCTCAACCATACCACTTAACCTTGGATTTGTGG 864
DB 811 TCGAACACTAGTGGGATTTTCAATTTCTCCACCCACTTATACCAATGTTGAGTTCGTTGG 870
QY 865 AGGATTGCACTGTAAACCTTGCCAAAGCTTTGCTTAAGGAAATGAAAAATTTGTGCCAGAG 924
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DB 871 AGGACTCCACTGCAAACTGCCAAACCCCTACCGAAGAAATGAAGAGTTTGTCCAGAG 930
QY 925 TTCAGGGGAAAGATGCTATTTGTTGTTTCTCTGGGTCACTGTTTCAAAATGTTACAGA 984
DB 931 CTCTGGAGAAATGTTGTTGTTTCTCTGGGTGATGTTGTTGTTGTTGTTGTTGTTGTTG 990
QY 985 AGAAAGGCTAATATCATCTTTCAGCCCTTGGCCAGATCCCAAGAGGTGTTTATGGAG 1044
DB 991 AGAAAGGGCCAAATGTAATTCATCAGCCCTTGGCAAGATCCCAAAAAGGTTCTGTGGAG 1050
QY 1045 GTACAAAGGAAAGAAACCATCCATATTAGAGGCAATACCTCGCTGTATGATTTGGATACC 1104
DB 1051 ATTGTATGGGAATAAACCAGATATCTTTAGGACTCAATACCTCGGTGTACAAAGTGGATACC 1110
QY 1105 CCAGAATGATCTTCTTGGTTCATCCCAAAACCAAGCTTTTATCACTCATCTGTTGAAATGAA 1164
DB 1111 CCAGAATGATCTTCTTGGTTCATCCCAAAACCAAGCTTTTATCACTCATCTGTTGAGGCCAA 1170
QY 1165 TGGGATCTATGAAGCTATTTTACCATGGGGTCCCTATGTTGGGAGTTCCCATATTTGGTGA 1224
DB 1171 TGGCATCTATGAGGCAATCTACCATGGAATCCCTATGTTGGGGCTTCCATTTGTTGCGAGA 1230
QY 1225 TCAGCTTGATAACATAGCTCACATGAAGGCCAAAGAGGAGCTGTAGAAAATAAACTTCAA 1284
DB 1231 TCAACCTGATAAATTCACATGAGGCCAAAGGAGGAGCTGTTAGTTTGGACTTCCA 1290
QY 1285 AACTATGACAGGCAAGATTTTACTGAGGGCTTTTGAGAAACAGTCAATCCGATTCCTCTTA 1344
DB 1291 CAAATGTCGAGTACAGACTTACTCAATGCACTGAAGACAGTAAATTAATGATCTTTATA 1350
QY 1345 TAAAGAGAATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTGTAAAGCCCTTAGA 1404
DB 1351 TAAAGAGAATGCTATGAAATTTCAAGAAATTCATCATGATCAACCACTGAAAGCCCTTGA 1410
QY 1405 TCAGAGAGCTTCTTGGATCGAGTTTGTGTCGCGCAAAAGAGGCCAAGCACTTGGCATC 1464
DB 1411 AAGAGAGCTTCTTGGATCGAATTTGTGTCGCGCAAAAGAGGCCAAGCACTTGGGT 1470
QY 1465 AGCTGCCCATGACTCACTGCTGTTCCAGCACTACTATAGATGTTGTTGTTGTTGTTGTTGTTG 1524
DB 1471 TGCAGGCCAGACTCACTGCTGTTCCAGTACCCTCTTGGATGTTGTTGTTGTTGTTGTTGTTG 1530
QY 1525 GACTGTGTGGCACTGCTATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1584
DB 1531 GGCTGTGTGGCACTGCTGATTTTCATCATCAAAAATGCTGTTTGTGTTGTTGTTGTTGTTGTTG 1587
QY 1585 ATTTAATAAACTAGAAAGATGAAAGAGGGGAAATAGATCTTTC 1628
DB 1588 GTTTGTTAGAACAGGAAAGAGGGGAAAGAGATTAATTACGTC 1631
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## RESULT 7

US-09-949-016-1128  
; Sequence 1128, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1128  
; LENGTH: 2093



; TYPE: DNA  
 ; ORGANISM: Human  
 US-09-949-016-1128

Query Match 27.5%; Score 758; DB 4; Length 2093;  
Best Local Similarity 68.4%; Pred. No. 1.1e-178;  
Matches 1097; Conservative 0; Mismatches 495; Indels 1

Qy	34	CATCATGAGGCTGTGACAAAGTCAGCTTTGGTATTTCTGCTCCTCGAGAGCTCTTCTGT---	GT 90
Db	31	CATCAGGATGTCTATGAAATGGCATCTTCTGCTGATACAGCTGTACTT	90
Qy	91	TGGCTGTGGATTCTGTGGGAAAGTCCTGTGTGTGSCCTGTGACATGAGCCATTGGCTTAA	150
Db	91	TAGCTCTGGGAGTTGTGAAAGGTGCTGGTGTGGCCACAGAAATTCAGCCACTGGATGAA	150
Qy	151	TGTCAAAGGTCATTCTAGAAGAGCTCATAGTGAGAGGCCATGAGGTAAACAGTATTTGACTCA	210
Db	151	TATATAAGACAATCCTGGATGAACCTGTCCAGAGAGGTCATGAGGTGACTGTATTGGCATC	210
Qy	211	CTCAAAGCCTTCGTTAAATTCAGCTACAGGAAGCCTTCTGCAATGGAATTTGAGGTGTGCCA	270
Db	211	TTCAGCTTCCATTCTTTTCGATCCCAACAGCCACTTACTCTTAAATTTTGAAGTTTATCC	270
Qy	271	TATGCCACAGGACAGACAGAAGAAATGAAATATTTGTGACCTAGCTCTGA-----A	324
Db	271	TGTATCTTTAACTTAATAACTGAGTTTGAGGATATTTATCAAGCAGCTGGTTAAGAGATGGGC	330
Qy	325	TGCTCTGCCAGGCTTATCAACCTGGCAATCAGTTTATAAAATTAATGATTTTTTGTGTGA	384
Db	331	AGAACTTCCAAAAGACACATTTTGGTCATATTTTTCACAAAGTCAAGAAATCATGTGGAC	390
Qy	385	AATAAGAGGAACCTTTAAAAATGATGTGTGAGAGCTTTATCTCAAACTCAGAGCCTTATGAA	444
Db	391	ATTTAATGACATACTTGAAGAAGTTCTGTAAAGGATATAGTTTCAAATAAGAAACTTATGAA	450
Qy	445	GAAGCTACAGGAACCAACTACGATGTAATGCTTTATAGACCCCTGTGATTTCCCTGTGGAGA	504
Db	451	GAAACTAACAGGATCAAGATTTGAATGTTTCTTGCAGATGCTGTTTTCCCTTTGGTGA	510
Qy	505	CCTGATGGCTGAGTTGCTTGCGAGTCCCTTTTGTGCTCACACTTAGAAATTTCTGTAGGAGG	564
Db	511	GCTGCTGCCGAGTTACTTAAATAACCTTTGTCTACAGGCCCTCGCTTCTCTCTGGCTA	570
Qy	565	CAATATGGAGGGAAGCTGTGGGAAACCTTCAGCTCCACTTTCTTATGTACTGTGGCCTAT	624
Db	571	CGCAATTTGAAAGCATATGTAGGAGACTTCTGTTCCCTCTTCTCTATGTGCTGTGTTAT	630
Qy	625	GACAGGACTAACACACAGATGACCTTTCTCGAAAGAGTAAAAAATCAATGCTTTCAGT	684
Db	631	GTCAAACTTAAGTGACCAATATGACTTTCTATAGAGAGGTTAAAAATATGATCTATGTGCT	690
Qy	685	TTTGTTCCACTTCTGGATTCCAGGATTAAGACTATCATTTTTTGGGAAGAGTTTTATAGTAA	744
Db	691	TTATTTTGAATTTTGGTTCCAAATATTTGACATGAAGAAGTGGGATCAGTTCTACAGTGA	750
Qy	745	GGCAATTAGGAAGGCCCACTCATTTATGTGAGA CTGTGGGAAAAGCTGAGATATGGCTAAT	804
Db	751	AGTTCTAGGAAGACCCACTAGTTTATCTGAGACAAATGGCAAAAGCTGACATATGGCTTAT	810
Qy	805	ACGAACATATTTGGGATTTTGAATTTCTTCCACCATACCAACCTTAACCTTCAGTTTGTGG	864
Db	811	TCGAAACTATCGGGATTTTCAATTTCTTCCCTTCTTACCAATGTTGAGTTCGTGTG	870
Qy	865	AGGATTTGACTGTAAACCTGCCCAAAGCTTTGCCCTAAGGAAATGGAAATTTTGTCCAGAG	924
Db	871	AGGACTCCACTGCAAACTCGCAAAACCCCTACCGAAGGAAATGGAAGAGTTTGTCCAGAG	930
Qy	925	TTCAGGGAAGATGGTATTTGTGTTTCTCTGGGGTCACTGTTTCAAATGTTACAGA	984
Db	931	CTCTCGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCGATGGCTAAGCAAGCTGAGA	990
Qy	985	AGAAAAGGCTAAATCATTTGCTTCAGCGCCTTGCCCCAGATCCACAGAAAGGTGTTATGGAG	1044

991	AGAAAGGCCAATGTAATTGCATCAGCCCTTGCCAAAGTCCCAAAAGGTTCTGTGGAG	1050
1045	GTACAAAGGAAAAAACCATCCACATTAGGAGCCAAATACTCGGCTGTATGATTGGATACC	1104
1051	ATTTGATGGGAATAAACACAGATACTTTAGGACTCAATACTCGGCTGTACAAGTGATACACC	1110
1105	CCAGAAATGATCTTCTTGTCATCCCAAAACCAAAAGCTTTTATCACTCATGCTGGAATCAA	1164
1111	CCAGAAATGATCTTCTTGTCATCCCAAAACCAAGAGCTTTTATAACTCATGTGGAGCCAA	1170
1165	TGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGTTGGGAGTTCCTCATATTGTTGTA	1224
1171	TGGCATCTATAAGGCATCTCTCTAGAAATCCCTATGTTGGGCGTTCCATTGTTGACAGA	1230
1225	TCAGCTTGATAACATAGCTCATATGAAGGCCAAAGGAGCAGCTGTAGAAATAAACTTCAA	1284
1231	TCAACCTTGATAACATATGCACATGAAGGCCAAAGGAGCAGCTGTAGTTTGGACTTCCA	1290
1285	AACATATGACAAAGCAAGATTTACTGAGGGCTTTGAGAAACAGTCATTACCGATTCTCTTTA	1344
1291	CACAAATGTCGAGTACAGACTTACTCAATGCATCGAGACAGTAATTAATGATCCTTTATA	1350
1345	TAAAGAGATGCTATGAGATTTATCAAGAAATTCACATGATCAACCTGTAAAGCCCTTAGA	1404
1351	TAAAGAGATGCTATGAAATTTATCAAGAAATTCATCATGATCAACGACAGTGAAGCCCTTGA	1410
1405	TCGAGCAGTCTTCTGGATCGAGTTTGTCTGCGCCACAAAGGAGCAGACCTTCGCGATC	1464
1411	TCGAGCAGTCTTCTGGATGGAATTTGATGCGGCATTAAGGAGCCAAACCTTCGGGT	1470
1465	AGCTGCCCATGACCTCACTCGTTTCCAGCACTACTCTATAGATGTGATGGGTTCTGCT	1524
1471	TGCAGGCCACGACCTCACTCGTTTCCAGTACCACTCTTTGGATGTGACTGGGTTCTGCT	1530
1525	GACCTGTGGCBACTGCTATATCTTGTTCACAAAAATGTTTTTATTTTCTCTGTCAAAA	1584
1531	GGCCTGTGGCBACTGTGATTTTCATCATCACAAATGCTGTTTGTGTCTG---GAA	1587
1585	ATTTAATAAACTAGAAGATAGAAAAAGAGGGGAATAGATCTTTC	1628
1588	GTTTGTTAGAACAGGAAGAGAGGGGCAAAAGAGATTAATTACGTC	1631

## RESULT 8

US-09-356-806-39  
; Sequence 39, Application US/09356806  
: Patent No. 6586175

FACEBOOK NO. 0380173  
; GENERAL INFORMATION:

APPLICANT: Penny, Laura

; APPLICANT: Galvin, Margaret

; APPLICANT: Miller, Andrew

APPLICANT: Reidy, Michael

; TITLE OF INVENTION: Genotyping Human

; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and

; TITLE OF INVENTION: 2B15 (UGT2B15) Genes

; FILE REFERENCE: SEQ-22PRV2

; CURRENT APPLICATION NUMBER: US/09/356,806

; CURRENT FILING DATE: 1999-07-20

; NUMBER OF SEQ ID NOS: 164

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; SOFTWARE: FastSEQ for Windows Version 3.0

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; SEQ ID NO 39

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; LENGTH: 1854
; TYPE: DNA

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TYPE: DNA  
ORGANISM:

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; ORGANISM: H. sapiens
: FEATURE:

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; FEATURE:
; NAME/KEY: CDS

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; NAME/KEY: CDS
; LOCATION: (15) ... (1584)

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LOCATION: (T)  
US-09-356-806-39

Query Match 27.2%; Score 750; DB 4; Length 1854;  
Best Local Similarity 67.6%; Pred. No. 1e-176;  
Matches 1085; Conservative 0; Mismatches 510; Indels

Q. 1.



QY 34 CATCATGAGGCTGACAAAGTCAGCTTTGGTAATTTCTGCTCCTGAGCT---CTTCTGTGT 90  
DB 8 CACCAGGATGCTGTGAAATGGAATCTCAGTAATTTTGTCTAATAACAACCTGAGCTTTTGTCTT 67  
QY 91 TGGCTGTGGATTCCTGTGGAAAGTCCTGGTGTGGCTCTGTGACATGAGCCATTGGCTTAA 150  
DB 68 TAGCTCTGGGAATTTGTGGAAGGTCCTGGTGTGGGACGAGCAATACAGCCATTGGATGAA 127  
QY 151 TGTCAAGGTCATTCTAGAGAGCTCATAGTGAGAGGCCATGAGGTAAACAGTATTGACTCA 210  
DB 128 TATTAAGACATCTCTGATGAGCTTATTCAGAGAGGTCATGAGGTGATCTGACTGGGATC 187  
QY 211 CTCAAAGCCTTCGTTAATTTGACTACAGAAAGCCTTCTGCAATGAAATTTGAGGTGGTCCA 270  
DB 188 TTCAGCTTCCATTCTTTTGTATCCCAACAACCTCATCCGCTCTTAAATTTGAAATTTATCC 247  
QY 271 TATGCCACAGACAGACAGAGAAATGAATATTTGTTGACCTAGCTCTGA-----A 324  
DB 248 CACATCTTTAACTAAAACCTGAGTTGGAGAAATTTTCATCATGCAACAGATTAAGAGATGGTC 307  
QY 325 TGTCTTCCAGGCTTATCAACCTGGCAATCAGTTTATATAAATTAATGATTTTTTGTGTA 384  
DB 308 AGACCTTCCAAAGATACATTTTGGTTATTTTTCACAGTACAGGAATCATGTCAAT 367  
QY 385 AATAAGAGGAACTTTAAAAATGATGTGTGAGAGCTTTTATCTCAATCAGACGCTTATGAA 444  
DB 368 ATTTGGTGACATACTAGAAAGTTCTGTAAAGATGTAGTTTCAATAAAGAAATTTATGAA 427  
QY 445 GAAGCTACAGAAACCAACTACGATGTAATGCTTTATAGACCTGTGATTCCTGTGGAGA 504  
DB 428 AAAAGTACAAAGAGTCAAGATTTGACGTCATTTTTCAGAGAGCTATTTTCCCTGTAGTGA 487  
QY 505 CCTGATGCTGAGTGTCTGACGTCCTTTTGTGCTCAGCTTACACTTACAGTATTTCTGAGAGG 564  
DB 488 GCTGCTGGCTGAGCTATTTAACTATACATACCTTTTGTGACAGTCTCAGCTTCTCTCGGCTA 547  
QY 565 CAATATGAGGAGGAGCTGTGGGAACTTCCAGCTCCACTTTCTCTATGATCTGTGCTAT 624  
DB 548 CACTTTTGAAGACATAGTGGAGGATTTATTTTCCCTCTCTCTACGTACCTGTGTTAT 607  
QY 625 GACAGGACTACAGACAGATGACCTTTCTGGAAAGAGTAAATAATTCATATGCTTTCACT 684  
DB 608 GTCAGAAATTAAGTATCAAAATGACTTTTCATGGAGGGTAAATAATATGATCTATGTGCT 667  
QY 685 TTTGTTCCACTTCTGGAATTCAGGATACGACTATCTTTTGGGAAGAGTTTATATAGTAA 744  
DB 668 TTACTTTGACTTTTGGTTCGAATATTTTGACATGAAGAAGTGGATCAGTTTATATAGTGA 727  
QY 745 GGCATTTAGGAAGGCCACTACATTTATGTGAGACTGTGGGAAAAGCTGAGATATGGCTAAT 804  
DB 728 AGTTCTAGGAAGACCCACTACATTTATCTGAGACAAATGGGNAAGCTGACGTATGGCTTAT 787  
QY 805 ACGAACATATTTGGATTTGAAATTTCTCTCAACCAATCAACCTTAACTTTGAGTTTGTGG 864  
DB 788 TCGAAACTCTCGGAATTTTTCAGTTTTCATATCCACTCTTACCAAAATGTTGATTTGTGG 847  
QY 865 AGGATTCACCTGTAACCTTCGAAAGCTTTGCTTAAAGGAAATGGAATTTTGTCCAGAG 924  
DB 848 AGGACTCCACTGCAAACTTCGCAAACTTCGCTTAAAGGAAATGGAAGCTTTGTACAGAG 907  
QY 925 TTCAGGGGAAAGATGGTATTTGTGGTGTGTTTCTCTGGGGTCACTGTTCCTCAAAATGTTACAGA 984  
DB 908 CTCTGGAGAAATAGTGTGTGGTGTGTTTCTCTGGGGTCAATGCTGAGTCAATCAGACAGA 967  
QY 985 AGAAAGGCTTAATATCATTTGCTTCCAGCCTTGGCCAGATCCCAAGAAAGGTGTTATGGAG 1044  
DB 968 AGAAAGGCTTAATATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 1027  
QY 1045 GTACAAAGGAAAGAAACCAATCCCAATTTAGGAGCCAACTACCTGGCTGTATGATTTGATACC 1104  
DB 1028 ATTTGATGGGAATTAACACAGATACCTTAGGTCTCAATCTACCTGGCTCTACAGTGGATACC 1087

QY 1105 CCAGAATGATCTTCTTGGTCAATCCCAAAACCAAAAGCTTTTATCACTCATGTGGATGAA 1164  
DB 1088 CCAGAATGATCTTCTTGGTCAATCCCAAAACCAAAAGCTTTTATCACTCATGTGGATGAA 1147  
QY 1165 TGGGATCTATGAAGCTATTTTACCATGGGTCCTTATGGTGGGAGTTCCCATATTTGGTGA 1224  
DB 1148 TGGCATCTACGAGGCAATCTACCATGGGATCCCTTATGGTGGGAGTTCCCATATTTGGTGA 1207  
QY 1225 TCAGCTTGATAAATACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAGAAAATAAACTTCAA 1284  
DB 1208 TCAACCTGATAAATTTGCTCACATGAAGGCCAGGAGCAGCTGTAGAGTGGACTTCAA 1267  
QY 1285 AACTATGACAAGCGAAGATTTTCTGAGGCTTTTGTAGAACAGTCAATACCAATTCCTCTTA 1344  
DB 1268 CACAATGTCGAGTACAGACTTGTCTGAATGATGATTTGAAGAGAGATTAATGATCTCTTCA 1327  
QY 1345 TAAAGAGATGCTATGAGATTTATCAAGATTTTCAACATTTTCAACATGATCAACCTTAAAGCCCTAGA 1404  
DB 1328 TAAAGAGATGTTTATGAATTTTCAAGATTTTCAACATGATCAACCTTAAAGCCCTAGA 1387  
QY 1405 TCAGCAGCTCTTCTGGATCGAGTTTGTATGTCGCGCCCAAAAGGAGCCCAAGCACTTCCGATC 1464  
DB 1388 TCAGCAGCTCTTCTGGATCGAGTTTGTATGTCGCGCCCAAAAGGAGCTTAAACACCTTCCGGT 1447  
QY 1465 AGCTGCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGTGATGGTTCCTGCT 1524  
DB 1448 TGCAGCCACGACCTCACCTGGTTCCAGTACCACTCTTTCGATGTGATGGTTCCTGCT 1507  
QY 1525 GACTGTGGGCACTGCTATATTTCTGTTTCAAAAATGTTTTTATTTTCTCTGCTCAAAA 1584  
DB 1508 GGTCTGTGGCACTGCTATATTTTATCGTCAAAAATGTTGCTGTTTTTCTCGAA 1567  
QY 1585 ATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTC 1628  
DB 1568 GTTGTAGAAAAGCAAGAGGGAATAATGATTAGTATATC 1611

## RESULT 9

US-09-949-016-2596  
; Sequence 2596, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2596  
; LENGTH: 1629  
; TYPE: DNA  
; ORGANISM: Human  
; US-09-949-016-2596

Query Match 27.2%; Score 749.8; DB 4; Length 1629;  
Best Local Similarity 67.6%; Pred. No. 11e-176;  
Matches 1086; Conservative 0; Mismatches 512; Indels 9; Gaps 2;

QY 34 CATCATGAGTCTGACAAGTCAGCTTTGGTATTTCTGCTCCTGAGCTTCTGT---GT 90  
DB 4 CACCAGGATGTTCTGAAATGGGCTTCAGTCTTCTGCTGATACATCTCAGTTGTTACTT 63  
QY 91 TGCTGTGGATTTCTGGGAAAGTCTGTTGGTGGCTCTGTGATGAGCCATTGGCTTAA 150  
DB 64 TAGCTCTGGAGTTGTGGAAAGTGTGGTTTGGGCCACAGAAATACAGCCTTTGGATGAA 123

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QY 151 TGTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGCCATGAGGTAAACAGTATTGACTCA 210
Db 124 TATGAAGACAATCCTGAAAGAGCTGTGTCAGAGAGGTCATGAGGTGACTGTACTGGCATC 183
QY 211 CTCAAAGCCTTCGTTAAATTTGACTACAGGAAGCCCTCTGCAATGAAATTTGAGGTGGTCA 270
Db 184 TTCAGCTTCATCTCTTTTGTATCCCAACGACTCATCTCTTAACTCGAAGTTTATCC 243
QY 271 TATGCCACAGGACAGAACAGAAATAATGAAATATTTGTGTGACCTAGCTCTCA-----A 324
Db 244 TACATCTTTAACTAAACCTGAAATTTGAGAATATCGTCATGCAACAGGTTAAGAGATGGTC 303
QY 325 TGTCTTGCACAGGCTTATCAACCTGGCAATCAGTTATAAAATTTAAATGATTTTTTGTGTA 384
Db 304 AGACATTTCAAAAGATATCAATTTTGTGTTATATTTTTCACAAAGCAAGAAATGCTGTAGGA 363
QY 385 AATAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTCAATCAAGACGCTTATGAA 444
Db 364 ATTTACATGACATATTTAGAAATTTCTGTAAAGATCTCATTTCAATTAAGAACTTTATGAA 423
QY 445 GAAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCTGTGATTTCCCTGTGGAGA 504
Db 424 AAAAATAAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTTTTTTTCCTGTGGTGA 483
QY 505 CTTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAAATTTCTGTAGGAGG 564
Db 484 GCTGCTGGCTGGCTACTTTTAAACATACCTTTTGTGTACAGTCTCCGCTTTTACTCCTGGCTA 543
QY 565 CAATATGGAGCAAGCTGTGGGAACTTCCAGCTCCACTTTCTATGTACCTGTGCTAT 624
Db 544 CACAGTTGAAGGCAAGTGGAGGACTGATTTTCCCTCTCTCTCATACCTATTTGTTAT 603
QY 625 GACAGACTAAACAGACAGATGACCTTTCTGGAAGAGTAAAAAATTCATGCTTTTCACT 684
Db 604 GTCAAAATTAAGTGATCAAAATGACTTTCTGAGAGGGTAAAAAATATGATCTATGTGAT 663
QY 685 TTTGTTCCACTCTGGAATTCAGGAATACGACTATCATTTTTTGGGAAGAGTTTATAGTAA 744
Db 664 TTATTTTGAATTTTGTGTTCCAAATATGTGATATGAAGAAATGGGATTCAGTTTACAGTGA 723
QY 745 GGCATTAGGAAGCCCACTACATATATGTGAGACTGTGGGAAAGCTGAGATATGGCTAAT 804
Db 724 AGTTTTAGAAGNCCCACTACCTATTTTGAACAATGGGAAAGCTGACATATGGCTTAT 783
QY 805 ACGAACATATGGGATTTTGAATTTCTCAACCATACCAACCTTAACTTTGAGTTTGTGG 864
Db 784 GCGAAACTCCTGGAAATTTTCACTTCTCATCCATTTTACCACAAAGTTTGAATTTGTGG 843
QY 865 AGGATTTGCACTGTAACCTGCCAAGCTTTGCTTAAGGAATGGAAAAATTTGTCCAGAG 924
Db 844 AGGATTTCACTGCAAACTGCCAAACCCCTACTTAAGGAATGGAGGATTTGTACAGAG 903
QY 925 TTCAGGGGAAGATGGTATTTGTGTTTCTCTGGGGTCACTGTGTTTCAAAATGTTTACAGA 984
Db 904 CTCGTGAGAAATATGGTGTGTTGTTTCTCTGGGGTCAATGGTCAAGTAAATGACAGC 963
QY 985 AGAAAAAGGCTTAATCAITTCCTTTAGCCCTTGCACAGATCCCAAGAAAGGTGTTATGGAG 1044
Db 964 AGAAAGGCAACGTAATTTGCAACAGCCCTTGCCAAGATCCCAAGAAAGGTCTGTGGAG 1023
QY 1045 GTACAAAGGAATAAACCATCCACATTTAGGAGCCAACTACCTGGCTGTATGATGGATACC 1104
Db 1024 ATTTGATGGGAATAAACCAAGATGCTTTAGGTCTCAATCTACCTGCTGTAACAAGTGGATACC 1083
QY 1105 CCAGATGATCTCTTTGGTTCATCCCAAAACCAAGCTTTTATCACTCATGTTGGGAATGAA 1164
Db 1084 CCAGATGACCTTCTAGGTTCATCCAAACCAAGAGCTTTTATTAACATCATGTTGGAGCAAG 1143
QY 1165 TGGGATCTATGAAGCTATTTTACCATGGGGTCCCTATGGTGGGAGTTCCCATATTTTGGTGA 1224
Db 1144 TGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTTGGGA 1203
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QY 1225 TCAGCTTGATACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAGAAAATAAACTTCAA 1284
Db 1204 TCACTTGATACATTTGCTCATGAGGCCAAGGAGCAGCTGTAGACTGGACTTCCA 1263
QY 1285 AACTATGACAAGCGAAGATTTACTGAGGGCTTTTGAGAACAGTCATTACCAGTTCTCTTTA 1344
Db 1264 CACAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAATGATCCTTTATA 1323
QY 1345 TAAAGAGAAATGCTATGAGATTAATCAAGAAATTCACATGATCAACCTGTAAAGCCCTTGA 1404
Db 1324 TAAAGAGAAATTAATGAATAATTAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAA 1383
QY 1405 TCGACAGCTCTTCTGATCGAGTTTGTATCGCCACAAAGGAGCAAGACCTTCGATC 1464
Db 1384 TCGACAGCTCTTCTGATGTAATTTGTATGCGCCACAAAGGAGCAACCTTCGAGT 1443
QY 1465 AGCTCCCATGACCTTCACCTGCTTCCAGACCTACTCTATAGATGTGATTTGGGTTCTGCT 1524
Db 1444 TGCAGCCCGTGACCTCACCTGGTCCAGTACCACCTCTTTGGATGTGATTTGGGTTCTGCT 1503
QY 1525 GACCTGTGTGGCAACTGCTATATCTGTTTCAAAAATGTTTTTATTTTCTGCTCAAAA 1584
Db 1504 GGCCTGTGTGGCAACTGTGACATTTATCATCAAAAGTGTGTCTGTTTGTCTTCTGGAA 1563
QY 1585 ATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTTCCAA 1631
Db 1564 GTTTACTAGAAAGTGAAGGAAAAAGGATTTAGTTATGTCGGA 1610
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## RESULT 10

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US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595
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Query Match 27.2%; Score 749.8; DB 4; Length 1708;
Best Local Similarity 67.6%; Pred. No. 1.1e-176; Indels 9; Gaps 2;
Matches 1086; Conservative 0; Mismatches 512;
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QY 34 CATCATGAGGCTGACAAAGTCAGCTTTGGTATTTCTGCTCTGACAGCTTCTCTGT---GT 90
Db 3 CACCAGGATGGTTCTGAAATGGGCTTCAGTTCTTCTGCTGATACATCTCAGTTGTACTT 62
QY 91 TGGCTGTGATTTCTGTGGGAAAGTCTGCTGGTGGCCCTGTGACATGAGCCATTGGCTTAA 150
Db 63 TAGCTCTGGAGTTTGTGGAAAGGTCGTGTTTGGGCCACAGAATACAGCCTTTGGATGAA 122
QY 151 TGTCAAGGTCATTTCTAGAAGAGCTCATATGAGAGGCCATGAGGTAAACAGTATTGACTCA 210
Db 123 TATGAAGACAATTCCTGAAGAGCTTTGTTTCAAGAGGTATGAGGTGACTGTACTGGCATC 182
QY 211 CTCAAAGCCTTCGTTTAAATTTGACTACAGGAAGCCTTTCTGCAATTTGAAATTTGAGGTGGTCCA 270
Db 183 TTCAGCTTCCATTTCTTTTGTATGCCCAACGACCTCATCCACTCTTAAACTCGAAGTTTATCC 242
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QY 331 GCCAGCTTATCAACCTGGCAATCAGTTATATAAATTAAATGATTTTTTTGTTGAAATAAG 390
Db 290 TCCAAAGAATACATATTTGGTTATATTTTTCACAAGTACAGGGAATCATGTCAATATTTG 349
QY 391 AGGA-ACCTTTAAAAATGATGTGTGAGAGCTTTATCTACAAATCAGACGCTTATGAAGAAGC 449
Db 350 GTGACATACTAGAAAGTTCTGTAAAGATGTAGTTTCAATAAGAAATTTATGAAGAAAG 409
QY 450 TACAGGAACCAACTACGATGTAATGCTTATAGACCTGTGTGATTCCTGTGAGAGCTGCA 509
Db 410 TACAAGAGTCAAGATTTGACGTCAATTTTTCAGATGCTATTTTTCCTCTGTAGTGCCTGC 469
QY 510 TGCTCAGTTGCTGTCAGTCCCTTTGTGCTCACACTTACAGTTAGAAATTTCTGTAGGAGCA 569
Db 470 TGGCTGAGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTCTCCTGGCTACACTT 529
QY 570 TGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTTCTATGTACCTGTGCTTATGACAG 629
Db 530 TTGAAAGCATAGTGGAGGATTTATTTTCCCTCTTCTACGTACCTGTGTATGTCTAG 589
QY 630 GACTAACAGACAGATGACCTTTCTGGAAAGAGTAAAAAATTCATGCTTTTCAGTTTGT 689
Db 590 AATTAAGTATCAATGACTTTTCATGGAGAGGGTAAAAAATATGATCTATGTGCTTTACT 649
QY 690 TCCACTTCTGGATTTCAGGATTACGACTATCATTTTGGGAGAGTTTATAGTAAGGCAT 749
Db 650 TTGACTTTTGGTTTCGAAATATTTGACATGAAGAGTGGGATCATGTTTTATAGTGAAGTTC 709
QY 750 TAGGAAGGCCCACTACATTTATGTGAGACTGTGGGAAAGCTGAGATATGGCTAAATACGAA 809
Db 710 TAGGAGAGCCCACTACATTTATCTGACACATGGGAAAGCTGACGTATGGCTTATTCGAA 769
QY 810 CATATTTGGGATTTGAAATTTCTTCACACCATACCAACTAACTTTGAGTTGTTGGAGAT 869
Db 770 ACTCTCGGAATTTTCAGTTTCCATATCCACTCTTACCAAAATGTGATTTGTTGGAGGAC 829
QY 870 TGCACCTGTAACCTGTCGAAGCTTTGCTTAAGAAATGGAATTTTGTCCAGAGTTGAG 929
Db 830 TCCACTGCAAACTGCAAAACCCCTGCTTAAGAAATGGAAGACTTTGTACAGAGCTCTG 889
QY 930 GGAAGATGGTATTTGTGGTGTTTTCTCTGGGGTCACTGTTTCAAAATGTTACAGAGAAA 989
Db 890 GAGAAATGGTGTGTGGTGTTTTCTCTGGGTCATGTCAGTAACATGACAGAGAAA 949
QY 990 AGCTAATATCATGTGCTTACGCTTGGCCAGATCCACAGAAAGTGTATGGAGGTACA 1049
Db 950 GGGCCCAACGTAAATTCGATCAGCCCTGGCCAGATCCACAAAAGGTTCTGTGGAGATTTG 1009
QY 1050 AAGGAAAAAACCATCCACATAGGAGCCAATCTCGGCTGTATGATTCGATACCCCGA 1109
Db 1010 ATGGGAATAAACAGATACCTTAGGTCTCAATACTCGGCTGTATAAGTGGATACCCCGA 1069
QY 1110 ATGATCTTCTGTGTCATCCCAAAACAAAGCTTTTATCACTCATGTGGAAATGAATGGGA 1169
Db 1070 ATGACCTTTCTAGTTCATCCAAAGCCAGAGCTTTTATTAATCACTCATGTGGAGCAATGGCA 1129
QY 1170 TCTATGAAGCTATTTACATGCGGTCCTTANGTGGAGTTCCCATATTTGTGTGATCAGC 1229
Db 1130 TCTACGAGGCAATCTACCATGGATCCCTATGTTGGGGATTCATATGTTTGGCGATCAAC 1189
QY 1230 TTGATAACATAGCTACATGAAGGCCAAGGAGCAGCTCTAGNAATAAATCTTCAAACTA 1289
Db 1190 CTGATAACATTTGCTACATGAAGGCCAAGGAGCAGCTGTAGTGGAGCTTCAACACAA 1249
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Db 1310 AGAATGTTATGAAATTTATCAAGAAATTCACCATGATCAACCGTGAAGCCCTTGGATCGAG 1369
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QY 1410 CAGTCTTCTGGATCGAGTTTGTGTCGCCCAAAAGGAGCCAAAGCACCTGCGATCAGCTG 1469
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Db 1430 CCCACGACCTCACCTGGTTCAGTACCACCTCTTTGGATGTGATGGGTTCTCTGCTGGTCT 1489
QY 1530 GTGTGGCACTGCTATATCTTGTTCACAAAATGTTTTTATTTCTCTGTCACAAAATTTA 1589
Db 1490 GTGTGGCACTGCTATATTTATCGTCACAAAATGTTGCTGTGTTTCTCTGGAAGTTTG 1549
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Db 1550 CTAGAAAAGCAAGAGGGAATAATGATTAGTTATATC 1588

RESULT 12
US-09-949-016-2735
; Sequence 2735, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2735
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2735

Query Match 21.4%; Score 590.6; DB 4; Length 1323;
Best Local Similarity 66.8%; Pred. No. 4, 7e-137;
Matches 877; Conservative 0; Mismatches 424; Indels 12; Gaps 2;

QY 35 ATCATGAGGTCTGACAAAGTCAGCTTTGGTATTTCTGCTCTGCTCAGCTCTTCTGT 91
Db 5 ACCAGGATGCTCTCTGAAATGGACGTCAGTCTTCTGCTGATACAGCTCAGTTGTACTTT 64
QY 92 GGCTGTGGATTTCTGGGNAAGTCTGTGTGGCCCTGTGACATGAGCATGGCTTAAT 151
Db 65 AGCTCTGGAAGCTGTGGAAAGGTGTAGTGTGGCCCAAGATAACAGCCATTTGGGATAAAT 124
QY 152 GTCAAGGTCATTCTAGAAAGCTCATAGTGAGAGCGCATGAGGTAAACAGTATTGACTAC 211
Db 125 ATGAAGACATCTCTGAGAGAGCTTGTTCAGAGGGGTCAAGGTCGACTGTGTGACATCT 184
QY 212 TCAAGACCTTCGTTAATTTGACTACAGGAAGCTTCTGCAATTTGAAATTTGAGGTGTCAT 271
Db 185 TCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAAGTTATCT 244
QY 272 ATGCC-----ACAGGACAGACAGAGAAAATGAAATATTTTGTGACCTAGCTCTG 322
Db 245 ACATCTTTAACTTAAATAATTTATTGGAAGATTTCTTCTTGAAAATTTCTCGATAGATG 304
QY 323 AATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTTATAAAATTAATGATTTTTTTGTT 382
Db 305 TAATGTGTTTCAAAAATACATTTTGGTCATATTTTCACAATTACAGAAATTTGTGTGG 364
QY 383 GAAATTAAGAGGAACCTTTAAAAATGATGTGAGAGCTTTATCTCAATCAGACGCTTATG 442
Db 365 GAATATTATGACTACAGTAACAAGCTCTGTAAGATGCAAGTTTGAATGAAGAACTTATG 424
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Qy 443 AAGAAGCTACAGGAAACCAACACAGATGTAATGCTTATAGACCCCTGTGATTCCTGTGGA 502
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Db 425 ATGAACTACAGAGTCAAGAGTTGATGTCATCTGGCAGATGCCCTTAATCCCTGTGGT 484
Qy 503 GACCTGATGGCTGAGTTGCTTGCAGTCCCTTTGTGCTCAGACTTAGAAATTTCTGTAGGA 562
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 485 GAGCTACTGGCTGAACATTTTAAACATACCCCTTTCTGTACAGTCTTCGATTTCTGTGGC 544
Qy 563 GGCAATATGAGCGAAGCTGTGGAAACTTCCAGCTCCACTTCTCTATGTACCTGTGCCT 622
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 545 TACACATTTGAGAGAAATGGTGGAGGATTTCTGTCCCTCTCTATGTACCTGTGTGT 604
Qy 623 ATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAATCAATGCTTTCA 682
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 605 ATGTCAGAAATTAAGTGATCAATGATTTCTCATGGAGGATAAAATAATATACATATG 664
Qy 683 GTTTTGTTCACCTTCTGATTCAGGATTCAGATATACATATTTTGGGAAGATTTTATAGT 742
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 665 CTTTATTTTGTGCTTTGTTTCAAAATTTATGATCTGAAGAAGTGGGACCAAGTTTATAGT 724
Qy 743 AAGGCATTTAGGAAGCCCACTACATTTATGTGAGACTGTGGAAAGCTGAGATATGCTA 802
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Db 725 GAAGTCTTAGGAAGCCCACTACATTTATTTGAGCAATGGGAAAGCTGAAATGTGGCTC 784
Qy 803 ATAGCAACATATTTGGGATTTTGAATTTCTCAACATACCAACCTAACTTTTGTGTTTGT 862
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 785 ATTGCAACCTATTTGGGATTTTGAATTTCTCGCCCACTTTTACCAAAATGTTGTTTGT 844
Qy 863 GGAGGATTTGCTGTAACCTGCAAGCTTTGCTTAAGGAATGGAAATTTTGTCCAG 922
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Db 845 GGAGGACTTCACTGTAACCAAGCCCAACCCCTGCTAAGGAATGGAAAGTTTGTGCAG 904
Qy 923 AGTTTCAGGGAAGATGATTTGTGTTTCTCTGGGCTCAGTTTCAAAATGTTTACA 982
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Qy 983 GAAGAAAGGCTAATATATCTGCTTCAAGCCCTTCCCAAGATCCCAAGAGGTTTATGG 1042
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## RESULT 13

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US-09-949-016-2736
; Sequence 2736, Application US/09949016.
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
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; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2736
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-2736
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Best Local Similarity 66.8%; Pred. No. 4.7e-137;
Matches 877; Conservative 0; Mismatches 424; Indels 12; Gaps 2;
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Job time : 490.995 secs





GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 5607317 seqs, 3026245999 residues  
Total number of hits satisfying chosen parameters: 11214634

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database : Published Applications NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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8	2330	84.5	2974	14	US-10-176-749-521
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11	2330	84.5	2974	14	US-10-173-706-521

12	2330	84.5	2974	14	US-10-175-738-521	Sequence 521, App
13	2330	84.5	2974	14	US-10-175-752-521	Sequence 521, App
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15	2330	84.5	2974	14	US-10-176-757-521	Sequence 521, App
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ALIGNMENTS

RESULT 1  
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; Sequence 33, Application US/09981353  
; Patent No. US20020160382A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy W.  
; APPLICANT: Jones, David A.  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0038 US  
; CURRENT APPLICATION NUMBER: US/09/981.353  
; CURRENT FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program  
; SEQ ID NO 33  
; LENGTH: 2966  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20020160382A1 997080.1  
US-09-981-353-33

Query Match	84.5%	Score	2331.4;	DB	9;	Length	2966;
Best Local Similarity	96.2%	Pred. No.	0;				
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1749 ATTTCATGATCATGAGGTTGTGAGTATATCTCATTTCTTTTGTGATTTTCTCTAGGTGTG 1808  
1741 ATTTCACGATCATGAGGTTGTGAGTATATCTCATTTCTTCTGTTGATTTTCTCTAGGTGTG 1800  
1809 CTTACTCTTCTCTCTCATTTTGTGACACAGGACATGAATACATCTAAATTTTCTATTTT 1868  
1801 TTTACTCTTCTCTCTCATTTTGTGACACAGGACATGAATACATCTAAATTTTCTATTTT 1860  
1869 CTGATATCACTGTTTCTCATGCTCATTTCTCTTAACCTTAAAGTATAGGTGACCTG 1928  
1861 CTGATATGACTGTTTGTGATGATCATTTCTTCTTAACCTTAAAGTATAGGTGACATG 1920  
1929 CAATATGCTGATTCCTGTTGTTGACAAACACATGGATGTAAAGAGTAAAGAAATGTAA 1988  
1921 CAATATGATTTATTCCTGTTGTCGCCCAACACATGGATATAAGAGGTAAAGAACTTAA 1980  
1989 AATTCAAAAATTCAGTAAACACACAAATCAATGAAGCATTTCTATGACATTTAGCTTGT 2048  
1981 AATTCAAAAATTCAGTAAACACACAAATCAGGTAAGTGTTCATGAGATTTAGCTGGCT 2040  
2049 ATGAGTTACATATGATTTTCTTTTCTTTTCAATTAATAGCCCTTCTACATACCCAGCAT 2108  
2041 ATGAGAAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTCATAGCCAGCAT 2100  
2109 TACTGATCTCAGACATGAATTTGCTAAAAATGACGATAGGCAATTCACATCAGAAATGAT 2168  
2101 CAGTATCTCAGAAATTAATTTGCTTAATAATGACATGGCATTTATGCTTAGAAAAGTT 2160  
2169 TGTATATTTTCCATACCTCATCTAGATGTCTATAGCCCTTACATTTCTGCGCATCTTAAC 2228  
2161 TGTGTATTTTCCATAGACCTCATCTAGATGTCTAGCCCTTACATTTCTGCGCATCTCAAC 2220  
2229 TGACA-TTTTTTGTGTTCTTGTATATAATAGACAGTTCTTATTTATTTCTCTCAATA 2287  
2221 CAAATCTTTTTTCTGTTTCTTGTGATATAAGAAAGACCTTTCTCATGATTTGCCATCAATA 2280  
2288 ATAAAAAGAAACT-GAAATTTTCTTACATAGAGAAAATGTCCATAAGATATTTCAAGTTAAA 2346

Db	2281	ACAAAAGAAACTATTTTTTCTCACATAGAGAA	CATGTCGTAAGAATATTTCAAGGTGAA	2340
Qy	2347	CAGATTTATTTGAGATAAGTAACCATTTAGAA	ATAATGTGTAATTTCTGATTTTATAA	2406
Db	2341	CAGATATTTTTGGGATTAGTAACCTATTTTGA	AAATATGTGGTGATAATTTACTGAGTTTATAA	2400
Qy	2407	AAATTTAAATGATAGTACACTT-----GAT	TTAAATGCTCTATTCCTTT-AAAATGATGAA	2459
Db	2401	AA-TTTATTTGATAGTACACTTAAAGAGATTT	ATATGTTTATTTCTTTTAAAAATGATGAA	2459
Qy	2460	TACTCATAAATTCCTATCTCTATTAATCAAA	AGTATAAATTTACTGTAGAAAAATAAAGAGAT	2519
Db	2460	TACTCATAAATTCCTATCTCTATAATCAAA	AGTATAAATTTACTGTAGAAAAATAAAGAGAT	2519
Qy	2520	GCTTGTCTTCAAAAGTAAAA		2538
Db	2520	GCTTGTCTTCAAAAGTAA		2538

## RESULT 2

RES001 2

US-10-052-586-521

Sequence 521, Application US/10052586

Publication No. US20020127584A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3430R1C1

CURRENT APPLICATION NUMBER: US/10/052,586

CURRENT FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063564

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063734

PRIOR FILING DATE: 1997-10-29

PRIOR APPLICATION NUMBER: 60/063870

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/064103

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066120

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/066466

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/066772



Db 961 AAAATGTTACAGAAAGAGGCTAATATCATGTGCTCAGCCCTTGCAGATCCACAGA 1020  
Qy 1032 AGGTGTTATGAGGTACAAAGGAAAAAACCATCCATAGGAGCCAAATACTCGGCTGT 1091  
Db 1021 AGGTGTTATGAGGTACAAAGGAAAAAACCATCCATAGGAGCCAAATACTCGGCTGT 1080  
Qy 1092 ATGATGGAATACCCAGAAATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTC 1151  
Db 1081 ATGATGGAATACCCAGAAATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTC 1140  
Qy 1152 ATGATGGAATACCCAGAAATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTC 1211  
Db 1141 ATGATGGAATACCCAGAAATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTC 1200  
Qy 1212 CCATATTTGGTGTACGCTTGTAAACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAG 1271  
Db 1201 CCATATTTGGTGTACGCTTGTAAACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAG 1260  
Qy 1272 AAATAAACTTCAAACTATGACAAAGGAAATTTACTGAGGGCTTTGAGAACAGTCAATTA 1331  
Db 1261 AAATAAACTTCAAACTATGACAAAGGAAATTTACTGAGGGCTTTGAGAACAGTCAATTA 1320  
Qy 1332 CCGATTCCTCTTATAAGAGAAATGCTATGAGTATCAAGAAATTCACCATGATCAACCTG 1391  
Db 1321 CCGATTCCTCTTATAAGAGAAATGCTATGAGTATCAAGAAATTCACCATGATCAACCTG 1380  
Qy 1392 TAAAGCCCTTAGATCGAGCAGCTCTTCTGGATCGAGTTTGTCTGCGGCCACAAAGGAGCCA 1451  
Db 1381 TAAAGCCCTTAGATCGAGCAGCTCTTCTGGATCGAGTTTGTCTGCGGCCACAAAGGAGCCA 1440  
Qy 1452 AGCACCTGCGATCAGCTGCGCCATGACCTCACTGAGTTCAGCACTACTCTATAGATGTA 1511  
Db 1441 AGCACCTGCGATCAGCTGCGCCATGACCTCACTGAGTTCAGCACTACTCTATAGATGTA 1500  
Qy 1512 TTGGTTCTCTGACCTGTGCGCACTGCTATTTCTTGTTCACAAATGTTTTTAT 1571  
Db 1501 TTGGTTCTCTGACCTGTGCGCACTGCTATTTCTTGTTCACAAATGTTTTTAT 1560  
Qy 1572 TTTCTCTCAAAATTTAATAAACTAGAAAGTAGAAAAGAGGGAGATAGATCTTTCCAA 1631  
Db 1561 TTTCTCTCAAAATTTAATAAACTAGAAAGTAGAAAAGAGGGAGATAGATCTTTCCAA 1620  
Qy 1632 ATTCAAGAAAGACTGATGGGTAATCCTGTTAATCCAGCCACATAGAAATTTGGTGAAA 1691  
Db 1621 ATTCAAGAAAGACTGATGGGTAATCCTGTTAATCCAGCCACATAGAAATTTGGTGAAA 1680  
Qy 1692 ACCTGCTATTTTCATATTTATCTTCTGTTATTTATCTAGCTATATAGCCTAGAAAT 1751  
Db 1681 ACCTGCTATTTTCATATTTATCTTCTGTTATTTATCTAGCTATATAGCCTAGAAAT 1740  
Qy 1752 CCATGATCATGAGTTGTGAGTATCTCATTTCTTCTGTTGCAATTTTCCTAGGTGTGCTT 1811  
Db 1741 CCATGATCATGAGTTGTGAGTATCTCATTTCTTCTGTTGCAATTTTCCTAGGTGTGCTT 1800  
Qy 1812 ACTCTCTTCTCACTTTGTGACAAAGGACATGATCAATCAATTTTCTTATTTCTGTTGCTT 1871  
Db 1801 ACTCTCTTCTCACTTTGTGACAAAGGACATGATCAATCAATTTTCTTATTTCTGTTGCTT 1860  
Qy 1872 ATATCACTGTTCCATGACGCTATTTCTTCTTAACTTAAGTATAGGTTGACCTGCAA 1931  
Db 1861 ATATCACTGTTTGTATGATGCTATTTCTTCTTAACTTAAGTATAGGTTGACCTGCAA 1920  
Qy 1932 TATGCTGATTTCTGTTGTTGCAAAACACATGATGTAAGAAAGTAAAAATGTAAAT 1991  
Db 1921 TATGATTTATTTCTGTTGTTGCGCCAAACACATGATGTAAGAAAGTAAAAATGTAAAT 1980  
Qy 1992 TCACAAATTTCACTGTAACCAACCAAAATCAATGAAGCAATTTCTATGACATTTAGTTGTTATG 2051  
Db 1981 TCACAAATTTCACTGTAACCAACCAAAATCACTGTAAGTTGTTCTATGAGATTTAGTTGTTATG 2040  
Qy 2052 AGTAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTATACATCCAGCATTAC 2111  
Db 2041 AGAAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTATACATCCAGCATCAG 2100

Qy 2112 TGATCTCAGACAAATGAATTTGCTAAAAATGACGATAGGCAATTAACACTCAGAAATAGTTTC 2171  
Db 2101 TGATCTCAGACAAATGAATTTGCTAAAAATGACGATAGGCAATTAACACTCAGAAATAGTTTC 2160  
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCTACATTTCTGCCATCAGCTTAACCTGA 2231  
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATAGCCTACATTTCTGCCATCAGCTTAACCTGA 2220  
Qy 2232 CA-TTTTCTGTTGTTCTTCTGATGATTAATAGACAGTTTCTTATTTCTCTCAATTAATA 2290  
Db 2221 TACTTTTTCTGTTTCTTCTGATGATTAATAGACAGTTTCTTCTCATGATGCCATCAATTAACA 2280  
Qy 2291 AAAGAAACT-GAAATTTTCTTACATAGAGAAATGTCCATAAGATATTTCAAGTTTAAACAG 2349  
Db 2281 AAAGAAACTATTTTTTTTCTCACAATAGAGAAATGTCCATAAGATATTTCAAGTTTAAACAG 2340  
Qy 2350 ATTATTTTGATGATAAGTAACCATTTAGAAATATGATGATTGTAATTTCTGATTTTATAAAT 2409  
Db 2341 ATATTTTGGGATTAGTAACCTATTTGAAATATGTTGGTGAATTTACTGAGTTTATAAAA- 2399  
Qy 2410 TTTAAATTTGATGATACACTT-----GATTTAAATGTCTATTCTTT-AAAAATGATGAATAC 2462  
Db 2400 TTTATTTGATGATGATACCTTAAAGAAATTTATATGTTTATCTTTTAAATGATGAATAC 2459  
Qy 2463 TCATAATTTCTTATCTCTATAATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2522  
Db 2460 TCATAATTTCTTATCTCTATAATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2519  
Qy 2523 TGTTCTGAAAGTAAAA 2538  
Db 2520 TGTTCTGAAAGTAAGA 2535

## RESULT 3

US-10-174-590-521  
; Sequence 521, Application US/10174590  
; Publication No. US20030008352A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C42  
; CURRENT APPLICATION NUMBER: US/10/174,590  
; CURRENT FILING DATE: 2002-06-18  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-174-590-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;  
Best Local Similarity 96.3%; Pred. No. 0;  
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;  
Qy 12 GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAGTCAGCTTTCGTTATTTCTGC 71  
Db 1 GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAGTCAGCTTTCGTTATTTCTGC 60  
Qy 72 TCTCGAGCTTCTCTGTTGGCTGTGATTTCTGTGGAAAGTCTGTGGTGGCCCTGTG 131

Db	61	TCCTGCAGCTCTTCTGTGTGGCTGTGGATCTGTGGGAAAGCTCTGTGTGGCCCTGTG	120
Qy	132	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAGAGCTCATAGTGAGAGGCCATG	191
Db	121	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAGAGCTCATAGTGAGAGGCCATG	180
Qy	192	AGGTAACTAGTACTCACTCAAGCCCTCGTTAATTCAGTACAGGAAGCCCTCTGCAT	251
Db	181	AGGTAACTAGTACTCACTCAAGCCCTCGTTAATTCAGTACAGGAAGCCCTCTGCAT	240
Qy	252	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAGAAATGAAATATTGTTG	311
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAGAAATGAAATATTGTTG	300
Qy	312	ACCTAGCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAAATTAATG	371
Db	301	ACCTAGCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAAATTAATG	360
Qy	372	ATTTTTTCTGTAATTAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTACAATC	431
Db	361	ATTTTTTCTGTAATTAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTACAATC	420
Qy	432	AGACGCTTATGAAGAGCTACAGGAACCAACTACGATGAATGCTTATAGACCCCTGTGA	491
Db	421	AGACGCTTATGAAGAGCTACAGGAACCAACTACGATGAATGCTTATAGACCCCTGTGA	480
Qy	492	TTCCCTGTGGAGACCTGATGGCTGAGTTCCTTGCAGTCCCTTTGTGCTCACACTAGAA	551
Db	481	TTCCCTGTGGAGACCTGATGGCTGAGTTCCTTGCAGTCCCTTTGTGCTCACACTAGAA	540
Qy	552	TTTCTGTAGGAGCAATATGGAGCAAGCTGTGGGAACTCCAGCTCCACTTTCTCTATG	611
Db	541	TTTCTGTAGGAGCAATATGGAGCAAGCTGTGGGAACTCCAGCTCCACTTTCTCTATG	600
Qy	612	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAAT	671
Db	601	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAAT	660
Qy	672	CAATGCTTTCACTTTGTTTCCACTCTGATTCAGGATTCAGGATTCAGGATTCAGGAT	731
Db	661	CAATGCTTTCACTTTGTTTCCACTCTGATTCAGGATTCAGGATTCAGGATTCAGGAT	720
Qy	732	AGTTTTATAGTAAGGCAATTAAGAGGCCCACTACATTAATGTAGAGCTGTGGGAAAGCTG	791
Db	721	AGTTTTATAGTAAGGCAATTAAGAGGCCCACTACATTAATGTAGAGCTGTGGGAAAGCTG	780
Qy	792	AGATATGGCTAATACGAACATATGGGATTTTGAATTTCCCTCAACCATACCAACCTAACT	851
Db	781	AGATATGGCTAATACGAACATATGGGATTTTGAATTTCCCTCAACCATACCAACCTAACT	840
Qy	852	TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	911
Db	841	TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	900
Qy	912	ATTTTCTCAGAGTTCCAGGGAAGATGATTTGTTGTTTCTCTGGGCTCACTGTTTC	971
Db	901	ATTTTCTCAGAGTTCCAGGGAAGATGATTTGTTGTTTCTCTGGGCTCACTGTTTC	960
Qy	972	AAAAATTTACAGAAAGGCTTAATATCATTTGCTTTCCAGCCCTTGCCAGATCCCAACAGA	1031
Db	961	AAAAATTTACAGAAAGGCTTAATATCATTTGCTTTCCAGCCCTTGCCAGATCCCAACAGA	1020
Qy	1032	AGGTGTTATGGAGGTACAAAGGAAAGGAAACCATCCACATTAGAGGCAATCTCGGCTGT	1091
Db	1021	AGGTGTTATGGAGGTACAAAGGAAAGGAAAGGAAACCATCCACATTAGAGGCAATCTCGGCTGT	1080
Qy	1092	ATGATTTGGATACCCCAAGATGATCTTTCTTGGTTCATCCCAAAACCAAGCTTTTATCACTC	1151
Db	1081	ATGATTTGGATACCCCAAGATGATCTTTCTTGGTTCATCCCAAAACCAAGCTTTTATCACTC	1140
Qy	1152	ATGGTGGATGAATGGGATCTATGAAGCTATTTACCATGGGTTCCCTATGTTGGGAGTTTC	1211
Db	1141	ATGGTGGATGAATGGGATCTATGAAGCTATTTACCATGGGTTCCCTATGTTGGGAGTTTC	1200
Qy	1212	CCATATTTGGTGATCAGCTTGTATAACATAGCTCATGAAGGCCAAAGAGCAGCTGTAG	1271
Db	1201	CCATATTTGGTGATCAGCTTGTATAACATAGCTCATGAAGGCCAAAGAGCAGCTGTAG	1260
Qy	1272	AAATAAACTTCAAAACTATGACAGGAAGATTTACTGAGGGCTTTGAGAACAGTCATTA	1331
Db	1261	AAATAAACTTCAAAACTATGACAGGAAGATTTACTGAGGGCTTTGAGAACAGTCATTA	1320
Qy	1332	CGATTTCTTATATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1391
Db	1321	CGATTTCTTATATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1380
Qy	1392	TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTGTGTGATGCGCCACAAAGAGGCCA	1451
Db	1381	TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTGTGTGATGCGCCACAAAGAGGCCA	1440
Qy	1452	AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGGA	1511
Db	1441	AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGGA	1500
Qy	1512	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTTCAAAAATGTTTTTAT	1571
Db	1501	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTTCAAAAATGTTTTTAT	1560
Qy	1572	TTTTCTGTCAAAAATTTTAATAAACTAGAAAGATAGAAAAGAGGAATAGATCTTTCCAA	1631
Db	1561	TTTTCTGTCAAAAATTTTAATAAACTAGAAAGATAGAAAAGAGGAATAGATCTTTCCAA	1620
Qy	1632	ATTCAAGAAAGACCTGTATGGGTAATCTCTGTTAAATTCAGGCCACATAGAAATTTGGTAAA	1691
Db	1621	ATTCAAGAAAGACCTGTATGGGTAATCTCTGTTAAATTCAGGCCACATAGAAATTTGGTAAA	1680
Qy	1692	ACCTGCTATTTTCAATATTAICTATTTCTGTTATTTTCTTAGCTATATAGCCTAGAAT	1751
Db	1681	ACCTGCTATTTTCAATATTAICTATTTCTGTTATTTTCTTAGCTATATAGCCTAGAAT	1740
Qy	1752	CCATCATATGAGGTTGTGAGTATATCTCATTTCTTTGTTGATTTTCTAGGTGTGCTT	1811
Db	1741	CCATCATATGAGGTTGTGAGTATATCTCATTTCTTTGTTGATTTTCTAGGTGTGCTT	1800
Qy	1812	ACTCTCTTCTCCTCCTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG	1871
Db	1801	ACTCTCTTCTCCTCCTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG	1860
Qy	1872	ATATCACTGTTTCCATGAGCTCAITTTCTCTAACTTAAGTATAGGTGACCTGCAAA	1931
Db	1861	ATATCACTGTTTCCATGAGCTCAITTTCTCTAACTTAAGTATAGGTGACCTGCAAA	1920
Qy	1932	TATGCTGATTTCTGTTGTTGACAAACACATGGAATGTAAGAAAGTAAATAATGTAATAAT	1991
Db	1921	TATGATTTATTTCTGTTGTTGACAAACACATGGAATGTAAGAAAGTAAATAATGTAATAAT	1980
Qy	1992	TCACAAAATTCAGTAAACCCACACAAATCAATGAAGCAITTTCTATGACATTTAGCTTTGTTATG	2051
Db	1981	TCACAAAATTCAGTAAACCCACACAAATCAATGAAGTATGATGAGTTAGCTGGCTATG	2040
Qy	2052	AGTAAACATGATTTTCTTTTCAAATTAATTAAGCCCTTCTACATACCAGCATTAAC	2111
Db	2041	AGAAAACATAATGATTTTCTTTTCAAATTAATTAAGCCCTTCTACATACCAGCATTAAC	2100
Qy	2112	TGATCTCAGACAAATGAATTTGCTAAAAATGACCATAGGGCATTTACACTCAGAAATAGTTTGC	2171
Db	2101	TGATCTCAGACAAATGAATTTGCTAAAAATGACCATAGGGCATTTAGCTTGAAGAAAGTTTGC	2160
Qy	2172	TATATTTCCACATACCTCATCTAGATGTATAGCCCTACATTTTCTGCCATCACTTAACCTGA	2231
Db	2161	TGATTTCCATAGACCTCATCTAGATGTATAGCCCTACATTTTCTGCCATCACTTAACCTGA	2220
Qy	2232	CA- TTTTGTGTGTTCTTTGATGATAATAGACAGTTCTTATATTGTTCTCTCAATAATA	2290
Db	2221	TACTTTTTTCTGTTTCTTTGATGATAAAGACCTTTCTCATGATTTGCCATCAATAATA	2280

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Qy 2291 AAAGAACT-GAAATTTTCTTACATAGAGAAATGTCCATAAGATATTCAGTTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTTTCTCACATAGAGAACATGTGAGTAAAGATATTCAGGTGAACAG 2340
Qy 2350 ATTATTTTGAGATAAGTAAACCATTAGAATATGTGATTTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATTAGTAACATATTTGAAATATGTGGTGAATTAATCTAGGTTTATAAAA- 2399
Qy 2410 TTTAATTCATAGTACACTT-----GATTTAAATGTCTATTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTATTTGATAGTACACTTAAAGAGATTTATATGTTTATCTTTTAAATGATGAATAC 2459
Qy 2463 TCATAATCTTATCTCTATTAATCAAAAGATATAATTTACTGTAGAAAAATAAAGATGCT 2522
Db 2460 TCATAATCTTATCTCTATAATCAAAAGATATAATTTACTGTAGAAAAATAAAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAA 2538
Db 2520 TGTTCTGAAAGTAAAG 2535

RESULT 4
US-10-176-758-521
; Sequence 521, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-521

Query Match 84.58; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.38; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

Qy 12 GATCAGTGTGTGAGGGAACGCCATCATGAGGCTGACAAAGTCAGCTTTGGTATTTCTGC 71
Db 1 GATCAGTGTGTGAGGGAACGCCATCATGAGGCTGACAAAGTCAGCTTTGGTATTTCTGC 60
Qy 72 TCCTGACGCTTCTGTGTTGGCTGTGGATCTGTGGGAAGTCTGGTGTGCCCCGTG 131
Db 61 TCCTGACGCTTCTGTGTTGGCTGTGGATCTGTGGGAAGTCTGGTGTGCCCCGTG 120
Qy 132 ACATGAGCCATGGCTTAATGTCAAGTCAATCTAGAGAGCTCATAGTCAGAGGCCATG 191
Db 121 ACATGAGCCATGGCTTAATGTCAAGTCAATCTAGAGAGCTCATAGTCAGAGGCCATG 180
Qy 192 AGGTAAACAGTATTGACTCACTCAAAAGCTTCGTTTAAATTGACTACAGGAAGCCCTTCTGCAT 251
Db 181 AGGTAAACAGTATTGACTCACTCAAAAGCTTCGTTTAAATTGACTACAGGAAGCCCTTCTGCAT 240
Qy 252 TGAATTTTGAGGTGGTCCATATGCCACAGACAGAACAGAGAAATGAAATATTTGTG 311
Db 241 TGAATTTTGAGGTGGTCCATATGCCACAGACAGAACAGAGAAATGAAATATTTGTG 300
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Qy 312 ACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACCTGGCAATCAGTTTATAAAATTAATG 371
Db 301 ACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACCTGGCAATCAGTTTATAAAATTAATG 360
Qy 372 ATTTTGTGTGAAATAAAGAGGAACCTTTAAATATGATGTGTGAGAGCTTTTATCTACAATC 431
Db 361 ATTTTGTGTGAAATAAAGAGGAACCTTTAAATATGATGTGTGAGAGCTTTTATCTACAATC 420
Qy 432 AGAGCTTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTTATAGACCCTGTGA 491
Db 421 AGAGCTTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTTATAGACCCTGTGA 480
Qy 492 TTCCCTGTGAGAGCCTGATGGCTGAGTTGCTTGAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGTGAGAGCCTGATGGCTGAGTTGCTTGAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTTCTGTAGAGGCAATATGAGGCAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 611
Db 541 TTTCTGTAGAGGCAATATGAGGCAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 600
Qy 612 TACCTGTCCCTATACAGGACTTAACAGACAGATGACCTTTCTGGAAGAGTAAAAATTT 671
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Db 781 AGATATGGCTTAATACGACATATTTGGGATTTGAAATTTCTCTACCATACCAACTTAAT 840
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[illegible]

RESULT 6  
US-10-174-581-521  
; Sequence 521, Application US/10174581  
; Publication No. US20030017540A1  
; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C41  
CURRENT APPLICATION NUMBER: US/10/174,581  
CURRENT FILING DATE: 2002-06-18  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
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PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04



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; Sequence 521, Application US/10176483  
; Publication No. US20030017541A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C68  
; CURRENT APPLICATION NUMBER: US/10/176,483  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
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Best Local Similarity 96.3%; Pred. No. 0;  
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;  
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Qy 1752 CCATGATCATGAGGTTCTGAGTATATCTCATTTCTTTCGTTTCATTTTCTTAGGTTGCTT 1811  
Db 1741 CCATGATCATGAGGTTCTGAGTATATCTCATTTCTTTCGTTGTAATTTTCTTAGGTTGCTT 1800  
Qy 1812 ACTCTTCTCTCACTTTGTGACACAAGGACATGAATACATCTGTAATTTTCTTATTTCTG 1871  
Db 1801 ACTCTTCTCTCACTTTGTGACACAAGGACATGAATACATCTGTAATTTTCTTATTTCTG 1860  
Qy 1872 ATATCACTGTTTCCATGACGTCATTTCTCTTAACCTTAACTGATAGGTTGACCTGCAA 1931  
Db 1861 ATATGACTGTTTGTATGATGTCATTTCTCTTAACCTTAACTGATAGGTTGACCTGCAA 1920  
Qy 1932 TATGCTGATTTCTGCTGTTTGGCAAAAACACATGATGATGTAAGAAAGTAAAAATGTAAT 1991  
Db 1921 TATGATTTATTTCTGCTGTTGCGCCCAACACATGATATTAAGAGGTAAAAAATTTAAT 1980  
Qy 1992 TCACAAATTCAGTAAACCAACACAAATCAATGAAGCAATCTATGACATTTAGCTTTGTTATG 2051  
Db 1981 TCACAAATTCAGTAAACCAACACAAATCAGTAAAGTGTCTATGAGATTTAGCTTGGCTATG 2040  
Qy 2052 AGTAAACATATGATTTTCTTTTCAATTTAAATAAGCCCTTCTACATACCACGATTTAC 2111  
Db 2041 AGAAACATATGATGTTTCTTTTCAATTTAAATAAGCCCTTCTACATACCACGATTTAC 2100  
Qy 2112 TGATCTCAGACAATGAAATGCTAAAAATGACATAGGCAATTTACACTCAGAAATAGTTTGC 2171  
Db 2101 TGATCTCAGAAATTAATTTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 2160  
Qy 2172 TATATTTCCACATCTCATCTAGATGTCATAGCTCATATTTCTGCCATCACTTAACCTGA 2231  
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCTACATTTCTGCCATCACTCAACCAA 2220  
Qy 2232 CA-TTTTTCGTGTTCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 2290  
Db 2221 TACTTTTTCTGTTTCTTGATGATAAAGAGACCTTTTCTCATGATTTGCCATCAATTAACA 2280  
Qy 2291 AAAGAAACT-GAAATTTCTTACATAGAGAAATGTCCTAAGATATTTCAAGTTTAAACAG 2349  
Db 2281 AAAGAAACTATTTTCTTCACTAGAGAAATGTCCTAAGATATTTCAAGTTTAAACAG 2340  
Qy 2350 ATTATTTTGAGATAAGTAAACCATTTAGAAATATGATGATTTGTAATTTCTGATTTTATAAAT 2409  
Db 2341 ATATTTTGGGATTAGTAACTATTTTGAATATGTTGGTGAATTTTACTGAGTTTATAAAA- 2399  
Qy 2410 TTTAATTTGATGATACCTT-----GATTTAATGCTCTATTTCTTT-AAAATGATGAATAC 2462  
Db 2400 TTTATTTGATGATACCTTAAAGAAAGATTTTATGTTTATTTCTTTTAAAGATGATGAATAC 2459  
Qy 2463 TCATAATTTCTTCTCTATATTAATCAAAAAGTAAATTTTACTGTAGAAAAATTAAGAGATGCT 2522  
Db 2460 TCATAATTTCTTCTCTATATTAATCAAAAAGTAAATTTTACTGTAGAAAAATTAAGAGATGCT 2519  
Qy 2523 TGTCTGAAAAGTAAAA 2538  
Db 2520 TGTCTGAAAAGTAAGA 2535

RESULT 8  
US-10-176-749-521  
; Sequence 521, Application US/10176749

```

; Publication No. US20030017542A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deenoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C76
; CURRENT APPLICATION NUMBER: US/10/176,749
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-749-521

Query Match      84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

Qy 12 GATCAGTGTGTGAGGGAACTGCCATCATGAGGTCGACAGTCGACGCTTTGGTATTTCCTGC 71
Db 1 GATCAGTGTGTGAGGGAACTGCCATCATGAGGTCGACAGTCGACGCTTTGGTATTTCCTGC 60

Qy 72 TCCTGCAGCTCTCTCTGTGTGGCTGTGGATTCTGTGGGAAAGTCTGTGTGGCCCTGTG 131
Db 61 TCCTGCAGCTCTCTCTGTGTGGCTGTGGATTCTGTGGGAAAGTCTGTGTGGCCCTGTG 120

Qy 132 ACATGAGCCATTGGCTTAACTCTCAAGGTCATTCTAGAAGAGCTCATAGTGAGAGGCCATG 191
Db 121 ACATGAGCCATTGGCTTAACTCTCAAGGTCATTCTAGAAGAGCTCATAGTGAGAGGCCATG 180

Qy 192 AGGTAAACAGTATTGACTCACTCAAAGCCCTCGTTAAATTGACTACAGGAAGCCTTCTGCAT 251
Db 181 AGGTAAACAGTATTGACTCACTCAAAGCCCTCGTTAAATTGACTACAGGAAGCCTTCTGCAT 240

Qy 252 TGAATTGAGGTGGTCCATATGCCACAGGACAGAAACAGAGAAAATGAAATATTGTGTG 311
Db 241 TGAATTGAGGTGGTCCATATGCCACAGGACAGAAACAGAGAAAATGAAATATTGTGTG 300

Qy 312 ACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACTGGCAATCAGTTATAAAATTTAAATG 371
Db 301 ACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACTGGCAATCAGTTATAAAATTTAAATG 360

Qy 372 ATTTTGTGTGTAATTAAGAGCACTTTTAAAAATGATGTGTGAGAGCTTTTATCTACAATC 431
Db 361 ATTTTGTGTGTAATTAAGAGCACTTTTAAAAATGATGTGTGAGAGCTTTTATCTACAATC 420

Qy 432 AGACGCTTATGAAGAAGCTACAGAAACCAACTACGATGTAATGCTTATAGACCCCTGGA 491
Db 421 AGACGCTTATGAAGAAGCTACAGAAACCAACTACGATGTAATGCTTATAGACCCCTGGA 480

Qy 492 TTCCTGTGGAGACCTGATGCTGAGTGTCTTGAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCTGTGGAGACCTGATGCTGAGTGTCTTGAGTCCCTTTTGTGCTCACACTTAGAA 540

Qy 552 TTTCTGTAGGAGGCAATATGAGGCGAAGCTGTGGGAAACTTCCAGCTCCACTTTTCTCATG 611
Db 541 TTTCTGTAGGAGGCAATATGAGGCGAAGCTGTGGGAAACTTCCAGCTCCACTTTTCTCATG 600

Qy 612 TACCTGTGCCTTATGACAGGACTAAACAGACAGAAATGACCTTTTCTGAAAGAGTAAATAAT 671
Db 601 TACCTGTGCCTTATGACAGGACTAAACAGACAGAAATGACCTTTTCTGAAAGAGTAAATAAT 660

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Qy 1752 CCATGATCATGAGTGTGAGTATATCTCATCTCTTTCGTTGCAATTTTCCTAGGTGCTT 1811
Db 1741 CCATGATCATGAGTGTGAGTATATCTCATCTCTTTCGTTGCAATTTTCCTAGGTGCTT 1800
Qy 1812 ACTCTCTCTCTCACTTCTGACACAGGACATCAATACATCTAAATTTTCCTATTCTG 1871
Db 1801 ACTCTCTCTCACTTCTGACACAGGACATCAATACATCTAAATTTTCCTATTCTG 1860
Qy 1872 ATATCACTGTTTCATGACGTCATTTCTTCTTAACCTTAAAGTATAGGGTGACCTGCAA 1931
Db 1861 ATATGACTGTTTTCATGATGTCATTTCTTCTATAACCTTAAAGTATAGGGTGACATCAA 1920
Qy 1932 TATGCTGATTCCTGGTGTGTCACAAACACATGATGTAAGAAAGTAAAAATGTAAT 1991
Db 1921 TATGATTAATTCCTGGTGTGTCACAAACACATGATGTAAGAAAGTAAAAATGTAAT 1980
Qy 1992 TCACAAATTCAGTAACACACACAAATCAATGAAGCATTTCTATGACATTAAGTCTGTTATG 2051
Db 1981 TCACAAATTCAGTAACACACAAATCAAGTAAGTGTTCATGAGATTAGCTGGCTATG 2040
Qy 2052 AGTAACATAATGATTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTA 2111
Db 2041 AGAAACATAATGATTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATAG 2100
Qy 2112 TGATCTCAGACATGAATGCTAAATATGACGATGAGGCGATTAACCTCAGAAATAGTTGC 2171
Db 2101 TGATCTCAGAAATTAATTTGCTAATAATGATGATGCGCATTAATGCTTAGAAAAAGTTGC 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGCTAGGCTACATTTCTGCGCATCACTTAACCTGA 2231
Db 2161 TGATTTCCATAGACCTCATCTAGATGCTAGGCTACATTTCTGCGCATCACTCAACCAA 2220
Qy 2232 CA-TTTTTTGTGTTCTTGATGATAAATAGACAGTTCTTATTATTGCTCTCAAAATAA 2290
Db 2221 TACTTTTTCTGTTCTTGATGATAAAGACCTTCTCATGATGCCATCAATTAACA 2280
Qy 2291 AAGAAACT-GAAATTTCTTACATAGAGAAATGTCCATAAGATATTCAGTTAAACAG 2349
Db 2281 AAGAAACTATTTTTTTCTCACAATAGAAACATGTGATGATGATATTCAGAGTGAACAG 2340
Qy 2350 ATTATTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2409
Db 2341 ATATTTTGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2399
Qy 2410 TTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2462
Db 2400 TTTATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2459
Qy 2463 TCATAATCTTATCTTATTAATCAAAAGTATAATTTACTGTAGAAAAATAAAGATGCT 2522
Db 2460 TCATAATCTTATCTTATTAATCAAAAGTATAATTTACTGTAGAAAAATAAAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAA 2538
Db 2520 TGTCTCAAAAGTAAA 2535
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## RESULT 9

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US-10-176-914-521
; Sequence 521, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deenoysers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C83
; CURRENT APPLICATION NUMBER: US/10/176,914
; PRIORITY DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-914-521
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Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;
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Qy 12 GATCAGTGTGTGAGGNACTGCCATCATGAGTCTGCAAGTCAAGTCTGTTGGTATTTCTGC 71
Db 1 GATCAGTGTGTGAGGNACTGCCATCATGAGTCTGCAAGTCTGTTGGTATTTCTGC 60
Qy 72 TCCTGCAGCTCTTCTGTTGGCTGTGATTTCTGTGGGAAAGTCTGCTGTGGCCCTGTG 131
Db 61 TCCTGCAGCTCTTCTGTTGGCTGTGATTTCTGTGGGAAAGTCTGCTGTGGCCCTGTG 120
Qy 132 ACATGAGCCATTGGCTTAATGTCAAGTCTCAATCTAGAGAGCTCATAGTGAGAGGCCATG 191
Db 121 ACATGAGCCATTGGCTTAATGTCAAGTCTCAATCTAGAGAGCTCATAGTGAGAGGCCATG 180
Qy 192 AGGTAACTGATTTGACTCACTCAAGCCCTTCGTTAATGATGATGAGAGGCCATG 251
Db 181 AGGTAACTGATTTGACTCACTCAAGCCCTTCGTTAATGATGATGAGAGGCCATG 240
Qy 252 TGAATTTGAGGTGCTCCATATGCCACAGGACAGACAGAGAAATGAAATATTTGTTG 311
Db 241 TGAATTTGAGGTGCTCCATATGCCACAGGACAGACAGAGAAATGAAATATTTGTTG 300
Qy 312 ACCTAGCTCTGAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTTATAAATTAATG 371
Db 301 ACCTAGCTCTGAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTTATAAATTAATG 360
Qy 372 ATTTTGTGTTGAAATAAGAGAACTTTAAATAATGATGATGAGAGCTTTATCTACATC 431
Db 361 ATTTTGTGTTGAAATAAGAGAACTTTAAATAATGATGATGAGAGCTTTATCTACATC 420
Qy 432 AGAGCTTATGAAGAGCTACAGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 491
Db 421 AGAGCTTATGAAGAGCTACAGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 480
Qy 492 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTTCTGTAGAGGCAATATGAGGCAAGCTGTGGGAAACTTCCAGCTCCACTTTCTCTATG 611
Db 541 TTTCTGTAGAGGCAATATGAGGCAAGCTGTGGGAAACTTCCAGCTCCACTTTCTCTATG 600
Qy 612 TACCTGTGCTATGACAGGACTAACAGACAGATGACCTTTCTGGAAGAGTAAAAAAT 671
Db 601 TACCTGTGCTATGACAGGACTAACAGACAGATGACCTTTCTGGAAGAGTAAAAAAT 660
Qy 672 CAATGCTTTTCAAGTTTGTTCCTTCTGAGTTTCAAGATTACGACTATCATTTTTGGGAAG 731
Db 661 CAATGCTTTTCAAGTTTGTTCCTTCTGAGTTTCAAGATTACGACTATCATTTTTGGGAAG 720
Qy 732 AGTTTATAGTAAGGCAATAGGAGGCCCACTACTATATGATGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATAGTAAGGCAATAGGAGGCCCACTACTATATGATGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGGCTTAATACGACATATTTGGATTTGAAATTTCTCAACCTACCACTAACT 851
Db 781 AGATATGGCTTAATACGACATATTTGGATTTGAAATTTCTCAACCTACCACTAACT 840
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QY 852 TTGAGTTTCTGGAGGATTCACCTGCTAAACCTGCCAAAGCTTGGCTTAAGGAAATGGAAA 911
DB 841 TTGAGTTTCTGGAGGATTCACCTGCTAAACCTGCCAAAGCTTGGCTTAAGGAAATGGAAA 900
QY 912 ATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTCTCTCGGGGTCACTGTGTTTC 971
DB 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTCTCTCGGGGTCACTGTGTTTC 960
QY 972 AAAATGTTACAGAAAGAAAGGCTTAATATCATTTGCTTTCAGCCCTTGCCCAAGATCCCAACAGA 1031
DB 961 AAAATGTTACAGAAAGAAAGGCTTAATATCATTTGCTTTCAGCCCTTGCCCAAGATCCCAACAGA 1020
QY 1032 AGGTGTTATGGAGGTACAAAGGAAAGAAACCAATCCACATTTAGGAGCCCAATATCTCGGCTGT 1091
DB 1021 AGGTGTTATGGAGGTACAAAGGAAAGAAACCAATCCACATTTAGGAGCCCAATATCTCGGCTGT 1080
QY 1092 ATGATTTGGATACCCCAAGATGATCTTCTTTGGTGCATCCCAAAACCAAGCTTTTATCATCTC 1151
DB 1081 ATGATTTGGATACCCCAAGATGATCTTCTTTGGTGCATCCCAAAACCAAGCTTTTATCATCTC 1140
QY 1152 ATGGTGGAAATGAATGGGATCTATGAAGCTATTTTACATGGGTCCCTATGGTGGAGTTTC 1211
DB 1141 ATGGTGGAAATGAATGGGATCTATGAAGCTATTTTACATGGGTCCCTATGGTGGAGTTTC 1200
QY 1212 CCATATTTGGTGCATGAGCTTGATACATAGCTCACAATGAAGGCCAAGGAGCAGCTGTAG 1271
DB 1201 CCATATTTGGTGCATGAGCTTGATACATAGCTCACAATGAAGGCCAAGGAGCAGCTGTAG 1260
QY 1272 AAATAAACTTCAAAATATGACAAGCGAAGATTTTACTGAGGGCTTTTGAAACAGATCATTA 1331
DB 1261 AAATAAACTTCAAAATATGACAAGCGAAGATTTTACTGAGGGCTTTTGAAACAGATCATTA 1320
QY 1332 CGGATTCCTCTTATAAAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1391
DB 1321 CGGATTCCTCTTATAAAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1380
QY 1392 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTTGTGATCGAGTTTGTATGCGCCCAAGGAGCCA 1451
DB 1381 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTTGTGATCGAGTTTGTATGCGCCCAAGGAGCCA 1440
QY 1452 AGCACCTGCGATCAGCTGCGCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATGTA 1511
DB 1441 AGCACCTGCGATCAGCTGCGCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATGTA 1500
QY 1512 TTGGGTTCTGCTGACCTGTGGGAACTGCTATATTTCTTTGTTTCAAAAATGTTTTTAT 1571
DB 1501 TTGGGTTCTGCTGACCTGTGGGAACTGCTATATTTCTTTGTTTCAAAAATGTTTTTAT 1560
QY 1572 TTTCTGTCAAAAATTTTATAAATTAATAAATAGAAAGATAGAAAGGGAATAGATCTTTCCAA 1631
DB 1561 TTTCTGTCAAAAATTTTATAAATTAATAAATAGAAAGATAGAAAGGGAATAGATCTTTCCAA 1620
QY 1632 ATTCAAGAAAGACCTGATGGGGTAATCTCTGTTAAATTCAGCCACATAGAAATTTGGTGAA 1691
DB 1621 ATTCAAGAAAGACCTGATGGGGTAATCTCTGTTAAATTCAGCCACATAGAAATTTGGTGAA 1680
QY 1692 ACCTTGCTATTTTCAATATATCTATTTCTGTTATTTTATCTAGCTATATAGCTTGAAT 1751
DB 1681 ACCTTGCTATTTTCAATATATCTATTTCTGTTATTTTATCTAGCTATATAGCTTGAAT 1740
QY 1752 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTGTGATTTTCTAGGTGCTT 1811
DB 1741 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTGTGATTTTCTAGGTGCTT 1800
QY 1812 ACTCTCTTCTCACTTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1871
DB 1801 ACTCTCTTCTCACTTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1860
QY 1872 ATATCACTGTTTCCATGAGCTCATTTACTTCTTAACCTTAAAGTATAGGTGACCTGCAA 1931
DB 1861 ATATCACTGTTTGTGATGATCATTTACTTCTATAACCTTAAAGTATAGGTGACATGCAA 1920
QY 1932 TATGCTGATTCCTGGTGTGTGGACAAACACATGATGTAAGAGTAAAGAAATGTAAT 1991
DB 1921 TATGATTAATCTCTGTTGGGCCAAAACATGGATATAAGAGGTAAAGAACTTAAAT 1980
QY 1992 TCACAAAATTCAGTAAACACACAAAATCAATGAAGCATTTCTATGACATTTAGCTTTGTTATG 2051
DB 1981 TCACAAAATTCAGTAAACACACAAAATCAAGTAAAGTGTCTATGAGATTTAGCTGGCTATG 2040
QY 2052 AGTAACATAATGATTTTCTTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCATTA 2111
DB 2041 AGAAAACATAATGATGTTTCTTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATAG 2100
QY 2112 TCATCTTCAGACAAATCAATTTGCTTAAAAATGCACATAGGCGCATTAACACTCAGAAATAGTTTGC 2171
DB 2101 TGATCTTCAGAAATTAATTTGCTTAATTAATGATGACATGGCATTTATGTTAGAAAAGTTTGC 2160
QY 2172 TATATTTCCACATACCTCATCTAGATGTATAGCCCTACATTTCTGCCATCACTTAACCTGA 2231
DB 2161 TGTATTTCCATAGACCTCATCTAGATGTATAGCCCTCATTTCTGCCATCACTCAACCAA 2220
QY 2232 CA-TTTTTTGTGTTCTTGTGATGATAAATAGACAGTTCTTATATTTGCTCTCAATAATA 2290
DB 2221 TACTTTTTTCTGTTTCTTGTGATGATAAAGAACCTTTCTCATGATTTGCCATCAATAACA 2280
QY 2291 AAAGAAACT-GAAATTTTCTTACATAGAGAAATGTCCATAAGATATTCAAGTTAAACAG 2349
DB 2281 AAAGAAACTATTTTTTCTTACATAGAGAAATGTCCATAAGATATTCAAGTTAAACAG 2340
QY 2350 ATTATTTTGAGATAAGTAACCATTAAGAATATGTGATTTGTAATTTCTGATTTTATAAAAT 2409
DB 2341 ATATTTTGGGATTTAGTAAC-TATTTGAAATATGTGTTGATATTTACTGAGTTTATAAAA- 2399
QY 2410 TTTAATTTGATAGTACACTT-----GATTTAATCTCTATTTCTTT-AAAATGATGATAC 2462
DB 2400 TTTATTTGATAGTACACTTAAAGAGATTTATGTTTATTTCTTTTAAAAATGATGATAC 2459
QY 2463 TCATAATTTCTATCTCTATAATCAAAAGATATAATTTTACTGTAGAAAATATAAGAGATGCT 2522
DB 2460 TCATAATTTCTATCTCTATAATCAAAAGATATAATTTTACTGTAGAAAATATAAGAGATGCT 2519
QY 2523 TGTCTCGAAAGTAAAA 2538
DB 2520 TGTCTCGAAAGTAAAG 2535

RESULT 10
US-10-176-915-521
; Sequence 521, Application US/10176915
; Publication No. US20030017544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C110
; CURRENT APPLICATION NUMBER: US/10/176,915
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-915-521
```



Query Match		84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity		96.3%; Pred. No. 0;
Matches 2441; Conservative		0; Mismatches 85; Indels 10; Gaps 5;
Qy	12	GATCAGTGTGTGAGGAACTGCCATCATGAGGCTCTGACAGTCAGCTTGGTATTTCTGC 71
Db	1	GATCAGTGTGTGAGGAACTGCCATCATGAGGCTCTGACAGTCAGCTTGGTATTTCTGC 60
Qy	72	TCCTGCACTCTTCTGTGTGGCTGTGATTTCTGTGGGAAAGTCCCTGTGTGGCCCTGTG 131
Db	61	TCCTGCACTCTTCTGTGTGGCTGTGATTTCTGTGGGAAAGTCCCTGTGTGGCCCTGTG 120
Qy	132	ACATGAGCCATTGCTTAATGTCAAGGTCACTTCTAGAGAGCTCATAGTAGAGGCCATG 191
Db	121	ACATGAGCCATTGCTTAATGTCAAGGTCACTTCTAGAGAGCTCATAGTAGAGGCCATG 180
Qy	192	AGGTAACAGATTACACTCACTCAAGGCTTCGTTAAATTTGACTACAGAGCCCTTCTGCAT 251
Db	181	AGGTAACAGATTACACTCACTCAAGGCTTCGTTAAATTTGACTACAGAGCCCTTCTGCAT 240
Qy	252	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAAATGAAATATTTCTGTG 311
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAAATGAAATATTTCTGTG 300
Qy	312	ACCTAGCTCTGAATGTCTTGTCCAGGCTTATCAACCTGGCAATCAGTTATATAATTAATG 371
Db	301	ACCTAGCTCTGAATGTCTTGTCCAGGCTTATCAACCTGGCAATCAGTTATATAATTAATG 360
Qy	372	ATTTTGTGTGAATTAAGAGAACTTTTAAATATGATGTGTGAGAGCTTTATCTACAATC 431
Db	361	ATTTTGTGTGAATTAAGAGAACTTTTAAATATGATGTGTGAGAGCTTTATCTACAATC 420
Qy	432	AGAGCTTTATGAAGAAGCTACAGGAAACCAACTACGATGTAATCTTATAGACCTCTGA 491
Db	421	AGAGCTTTATGAAGAAGCTACAGGAAACCAACTACGATGTAATCTTATAGACCTCTGA 480
Qy	492	TTCCCTGTGAGAGCTGATGGCTGAGTTGTGTGCTCCCTTTGTGCTCACACTTAGAA 551
Db	481	TTCCCTGTGAGAGCTGATGGCTGAGTTGTGTGCTCCCTTTGTGCTCACACTTAGAA 540
Qy	552	TTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 611
Db	541	TTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 600
Qy	612	TACCTGTGCTTACACAGGACTACACAGAGAATGACCTTCTCGGAAAGAGTAAAAAT 671
Db	601	TACCTGTGCTTACACAGGACTACACAGAGAATGACCTTCTCGGAAAGAGTAAAAAT 660
Qy	672	CAATGCTTTTCACTTTCTCCACTTCTGGATTACAGGATTACGACTATCATTTTGGGAAG 731
Db	661	CAATGCTTTTCACTTTCTCCACTTCTGGATTACAGGATTACGACTATCATTTTGGGAAG 720
Qy	732	AGTTTATAGTAGGCAATTAGGAAGGCCACTACATTTATGTGAGACTGTGGGAAAGCTG 791
Db	721	AGTTTATAGTAGGCAATTAGGAAGGCCACTACATTTATGTGAGACTGTGGGAAAGCTG 780
Qy	792	AGATATGCTTAAACAGCAATATTGGGATTTTGAATTTCTCAACCATACCAACTAACT 851
Db	781	AGATATGCTTAAACAGCAATATTGGGATTTTGAATTTCTCAACCATACCAACTAACT 840
Qy	852	TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCGCAAGCTTTGCTTAAGGAAATGGAAA 911
Db	841	TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCGCAAGCTTTGCTTAAGGAAATGGAAA 900
Qy	912	ATTTTGTCCAGATTACAGGGAAGATGATTTGTGGTGTCTCTGGGTCACTGTTC 971
Db	901	ATTTTGTCCAGATTACAGGGAAGATGATTTGTGGTGTCTCTGGGTCACTGTTC 960
Qy	972	AAATGTTTACAGAGAAAGCTTAATATCATTTGCTTCAGCCCTTGCCAGATCCACAGA 1031
Db	961	AAATGTTTACAGAGAAAGCTTAATATCATTTGCTTCAGCCCTTGCCAGATCCACAGA 1020
Qy	1032	AGGTGTTATGAGGTAACAAAGGAAAAAACCATCCATTTAGGAGCCAACTACTCGGCTGT 1091

Db	1021	AGGTGTTATGAGGTAACAAAGGAAAAAACCATCCATTTAGGAGCCAACTACTCGGCTGT 1080
Qy	1092	ATGATTTGGATACCCAGAAATGATCTTCTGTCATCCCAAAACCAAGCTTTTATCACTC 1151
Db	1081	ATGATTTGGATACCCAGAAATGATCTTCTGTCATCCCAAAACCAAGCTTTTATCACTC 1140
Qy	1152	ATGTTGAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGGTGGAGTTC 1211
Db	1141	ATGTTGAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGGTGGAGTTC 1200
Qy	1212	CCATATTTGGTGTGATCAGCTTGATAACATAGCTCATAGAGGCCAAAGGAGCAGCTGTAG 1271
Db	1201	CCATATTTGGTGTGATCAGCTTGATAACATAGCTCATAGAGGCCAAAGGAGCAGCTGTAG 1260
Qy	1272	AAATAAACTTTCAAACTATGCAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA 1331
Db	1261	AAATAAACTTTCAAACTATGCAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA 1320
Qy	1332	CCGATTTCTTTATAAGAGAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1391
Db	1321	CCGATTTCTTTATAAGAGAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1380
Qy	1392	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTGCGCCACAAAGGAGCCA 1451
Db	1381	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTGCGCCACAAAGGAGCCA 1440
Qy	1452	AGCACCTGCGATCAGCTGCCATGACCTCACTGCTTCCAGCCTACTCTATAGATCTGA 1511
Db	1441	AGCACCTGCGATCAGCTGCCATGACCTCACTGCTTCCAGCCTACTCTATAGATCTGA 1500
Qy	1512	TTGGGTTCTGCTGACCTGTGTGCGCAACTCTATATTTCTTTTTCACAAAATGTTTTTAT 1571
Db	1501	TTGGGTTCTGCTGACCTGTGTGCGCAACTCTATATTTCTTTTTCACAAAATGTTTTTAT 1560
Qy	1572	TTTCTGTCAAAAATTTAATAAACTAGAAAAGATAGAAAAGAGGGAATAGATCTTTCCAA 1631
Db	1561	TTTCTGTCAAAAATTTAATAAACTAGAAAAGATAGAAAAGAGGGAATAGATCTTTCCAA 1620
Qy	1632	ATTCAAGAGAGCTGATGGGTAATCTCTGTTAATTCAGCCACATAGAAATTTGGTGAAA 1691
Db	1621	ATTCAAGAGAGAGCTGATGGGTAATCTCTGTTAATTCAGCCACATAGAAATTTGGTGAAA 1680
Qy	1692	ACCTGTCTTTTTCATATTTATTTCTGTTATTTTATCTTAGCTATATAGCCTTAGAAT 1751
Db	1681	ACCTGTCTTTTTCATATTTATTTCTGTTATTTTATCTTAGCTATATAGCCTTAGAAT 1740
Qy	1752	CCATGATCATGAGTTGTGATATATCTCAATCTTTCTGTTTGCATTTTCTTAGGTGCTT 1811
Db	1741	CCATGATCATGAGTTGTGATATATCTCAATCTTTCTGTTTGCATTTTCTTAGGTGCTT 1800
Qy	1812	ACTCTCTCTCTCACTTTGTGACACAGGACATGAATACATCTAATAATTTTCTTATTTCTG 1871
Db	1801	ACTCTCTCTCTCACTTTGTGACACAGGACATGAATACATCTAATAATTTTCTTATTTCTG 1860
Qy	1872	ATATCACTGTTTCCATGACGCTCAATTTCTCTAAACCTTAAGTGATAGGGTGACCTGCAA 1931
Db	1861	ATATCACTGTTTGTGATGATGCTCAATTTCTCTAATACTTAAGTGATAGGGTGACATGCAA 1920
Qy	1932	TATGCTGATTTCTGGTGTGTCACAAACATCGATGTAAAGAGTAAAAAATGTAATAAT 1991
Db	1921	TATGATTTATTTCTGGTGTGCGCCAAACACATGGATATAAAGAGGTAAAAAATTTAAAT 1980
Qy	1992	TCACAAAATTCAGTAACACACAAATCAATGAAGCAATCTATGACATTTAGCTTGTATG 2051
Db	1981	TCACAAAATTCAGTAACACACAAATCAATGAAGCAATCTATGACATTTAGCTTGTATG 2040
Qy	2052	AGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTAC 2111
Db	2041	AGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATCAG 2100
Qy	2112	TGATCTCAGACAAATGAATTTGCTAAAAATGACGATAGGCAATTTACACTCAGAAATAGTTGC 2171

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Db 2101 TGATCTCAGAAAAATAATTGCTAAATAATGATGACATGGCATTATGCTTAGAAAAAGTTTGC 2160
QY 2172 TATATTTCCACATACCTCACTAGATGTCATAGCCTACATTTCTGCCATCACTTAACCTGA 2231
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCCTACATTTCTGCCATCACTCAACCAA 2220
QY 2232 CA-TTTTTTGTGTCTTGTGATGATAAAATAGACAGTTCTTATTATTGTCCTCAAAATAATA 2290
Db 2221 TACTTTTTTCTGTTTCTTGATGATAAAAGACCTTCTCATGATGGCCATCAATATAC 2280
QY 2291 AAAGAACT-GAAATTTCTTACATAGAGAAAATGTCCATAAGATATCAAGTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTCTCACAATAGAGAAATGTCAAGTAAGATATCAAGGTGAACAG 2340
QY 2350 ATATTTTTCAGATAAGTAACTTAGAATATGTGATTTCTGAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTTCGGGATTTAGTAATACTATTTGAAATATGTGGTGATTAATCTAGATTATAA 2399
QY 2410 TTTAATTTGATAGTACACTT-----GATTTAAATGTCTATTCTTT-AAAAATGATGAATAC 2462
Db 2400 TTTATTTGATGACACTTAAGAGATTTATATGTTTATTTCTTAAATAATGATGNATAC 2459
QY 2463 TCATAATCTTATCTCTATAATAACAAAGTATAATTTACTGTAGAAAAATAAGAGATGCT 2522
Db 2460 TCATAATCTTATCTCTATAATAACAAAGTATAATTTACTGTAGAAAAATAAGAGATGCT 2519
QY 2523 TGTTCGAAAGTAAAA 2538
Db 2520 TGTTCGAAAGTAAGA 2535

RESULT 11
US-10-173-706-521
; Sequence 521, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

QY 12 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGCG 71
Db 1 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGCG 60
QY 72 TCCTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGGAAAGTCCTGGTGTGGCCCTGTG 131
Db 61 TCCTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGGAAAGTCCTGGTGTGGCCCTGTG 120
QY 132 ACATGAGCCATTGGCTTAAATGTCAAGTCAATTTCTAGAGAGCTCATAGTGAGAGGCCATG 191
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Db 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATTTCTAGAGAGCTCATAGTGAGAGGCCATG 180
QY 192 AGGTAACAGTATTTGACTCACTCAAGACCTTCGTTAAATTTGACTACAGGAGCCTTCTGCAT 251
Db 181 AGGTAACAGTATTTGACTCACTCAAGACCTTCGTTAAATTTGACTACAGGAGCCTTCTGCAT 240
QY 252 TGAATTTTGGAGTGTGCTCATATGCCACAGGACAGAAACAGAAAGAAATGAAATATTTGTTG 311
Db 241 TGAATTTTGGAGTGTGCTCATATGCCACAGGACAGAAACAGAAAGAAATGAAATATTTGTTG 300
QY 312 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACTGGCAATCAGTTATFAAATTTAAATG 371
Db 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACTGGCAATCAGTTATFAAATTTAAATG 360
QY 372 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGTGAGAGCTTTATCTCAATC 431
Db 361 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGTGAGAGCTTTATCTCAATC 420
QY 432 AGACCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 491
Db 421 AGACCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 480
QY 492 TTCCCTGTGGAGACCTGATGCTGATGCTTGTGCACTCCCTTTGTGCTCACTTTAGAA 551
Db 481 TTCCCTGTGGAGACCTGATGCTGATGCTTGTGCACTCCCTTTGTGCTCACTTTAGAA 540
QY 552 TTTCTGTAGGAGGCAATATGAGCGAAGCTGTGGGAAACTCCAGCTCCACTTTCTCTATG 611
Db 541 TTTCTGTAGGAGGCAATATGAGCGAAGCTGTGGGAAACTCCAGCTCCACTTTCTCTATG 600
QY 612 TACCTGTGCTATGACAGGACTTAAACAGACAGAACTGCTTTCTGGAAGAGTAAAAAT 671
Db 601 TACCTGTGCTATGACAGGACTTAAACAGACAGAACTGCTTTCTGGAAGAGTAAAAAT 660
QY 672 CAATGCTTTCACTTTTGTGTTTCCACTTTCTGGAATTCAGGATTCAGACTATCATTTTGGGAG 731
Db 661 CAATGCTTTCACTTTTGTGTTTCCACTTTCTGGAATTCAGGATTCAGACTATCATTTTGGGAG 720
QY 732 AGTTTATATGTAAGGATTTAGGAGGCCCTACATATTATGAGAGCTGTGGGAAAGCTG 791
Db 721 AGTTTATATGTAAGGATTTAGGAGGCCCTACATATTATGAGAGCTGTGGGAAAGCTG 780
QY 792 AGATATGCTAATACGAAATATTCGGATTTTGAATTTTCTCAACATACCACTAACT 851
Db 781 AGATATGCTAATACGAAATATTCGGATTTTGAATTTTCTCAACATACCACTAACT 840
QY 852 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCAAAAGCTTTGCTAAGGAAATGGAAA 911
Db 841 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCAAAAGCTTTGCTAAGGAAATGGAAA 900
QY 912 ATTTTGTCCAGAGTTTCAGGGGAAGATGTTATTTGTTGTTCTCTGGGTCACCTGTTTC 971
Db 901 ATTTTGTCCAGAGTTTCAGGGGAAGATGTTATTTGTTGTTCTCTGGGTCACCTGTTTC 960
QY 972 AAAATGTTTACAGAGAAAGGCTTAATATCATTTGCTTTCAGCCCTGCCCCAGATCCCCACAGA 1031
Db 961 AAAATGTTTACAGAGAAAGGCTTAATATCATTTGCTTTCAGCCCTGCCCCAGATCCCCACAGA 1020
QY 1032 AGGTGTTATGGAGGTACAAAGGAAAAAAACCATCCATTTAGGAGCCAAATCTCGGCTGT 1091
Db 1021 AGGTGTTATGGAGGTACAAAGGAAAAAAACCATCCATTTAGGAGCCAAATCTCGGCTGT 1080
QY 1092 ATGATTTGGATACCCAGAGATGATCTTCTTGGTCATCCCAAAACCAAGCTTTTATCACTC 1151
Db 1081 ATGATTTGGATACCCAGAGATGATCTTCTTGGTCATCCCAAAACCAAGCTTTTATCACTC 1140
QY 1152 ATGGTGGATGAATGGGATCTATGAAGCTTATTTTACCATGGGTCCTCTATGTTGGGAGTTTC 1211
Db 1141 ATGGTGGATGAATGGGATCTATGAAGCTTATTTTCCATGGGTCCTCTATGTTGGGAGTTTC 1200
QY 1212 CCATATTTTGGTGTGATCAGCTTTGATAACATAGCTCAATGAAGGCCAAAGAGAGAGCTGTAG 1271
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Db 1201 CCATATTTGGTGATCAGCTTGATTAACATAGCTCACTGAAGGCCAAAGGACGACTGTAG 1260
Qy 1272 AAATAAACTTCAAAATATGACAAAGCGAAGATTTACTGAGGGCTTTGAGAACAGCTCATTA 1331
Db 1261 AAATAAACTTCAAAATATGACAAAGCGAAGATTTACTGAGGGCTTTGAGAACAGCTCATTA 1320
Qy 1332 CCGATTCCTCTTATAAAGAGAAATCCTATGAGATTTATCAAGAATTTACCATGATCAACCTG 1391
Db 1321 CCGATTCCTCTTATAAAGAGAAATCCTATGAGATTTATCAAGAATTTACCATGATCAACCTG 1380
Qy 1392 TAAGCCCTTAGATCGAGCGAGCTTCTGATCGAGTTTGTATCGGCCCAAAAGAGCCA 1451
Db 1381 TAAGCCCTTAGATCGAGCGAGCTTCTGATCGAGTTTGTATCGGCCCAAAAGAGCCA 1440
Qy 1452 AGCACTCGCATCAGCTGCCCATGACCTCACCTGGTCCAGCACTACTCTATAGATGTA 1511
Db 1441 AGCACTCGCATCAGCTGCCCATGACCTCACCTGGTCCAGCACTACTCTATAGATGTA 1500
Qy 1512 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGTTTTTAT 1571
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGTTTTTAT 1560
Qy 1572 TTTCTCTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1631
Db 1561 TTTCTCTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1620
Qy 1632 ATTCAAGAAACCTGATGGGTAATCCTGTTAATCCAGCCACATAGAATTTGGTGA 1691
Db 1621 ATTCAAGAAACCTGATGGGTAATCCTGTTAATCCAGCCACATAGAATTTGGTGA 1680
Qy 1692 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTTAGCTATATAGCCPAGAAT 1751
Db 1681 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTTAGCTATATAGCCPAGAAT 1740
Qy 1752 CCATGATCAGAGCTTGAGTATATCTCATCTCTTCTGTCATTTTCTAGGTGTCCT 1811
Db 1741 CCATGATCAGAGCTTGAGTATATCTCATCTCTTCTGTCATTTTCTAGGTGTCCT 1800
Qy 1812 ACTCTCTCTCTCACTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1871
Db 1801 ACTCTCTCTCTCACTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1860
Qy 1872 ATATCACTGTTTCATGACGCTATTACTTCTTAACCTTAAGTGATAGGGTGACCTGCA 1931
Db 1861 ATATCACTGTTTCATGATGCTATTACTTCTTAACCTTAAGTGATAGGGTGACCTGCA 1920
Qy 1932 TATGCTGATTCCTGGTGTGGCACAACACATGATGTAAGATGAAGTAAATGTAAT 1991
Db 1921 TATGATTAATTCCTGGTGTGGCCCAACACATGATGTAAGATGAAGTAAATGTAAT 1980
Qy 1992 TCACAAAATTCAGTAAACCCACACAAATCAATGAAGCATTTCTATGACATTTAGCTTTG 2051
Db 1981 TCACAAAATTCAGTAAACCCACACAAATCAGTAAAGTGTCTATGAGATTTAGCTGGCT 2040
Qy 2052 AGTAACATAATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTC 2111
Db 2041 AGAAACATAATGATGTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCAT 2100
Qy 2112 TGATCTCAGCAATGAATTCGTAATAAATGACGATAGGGCATTTACATCAGAAATGTTGC 2171
Db 2101 TGATCTCAGAAATAAATTTGCTAATAATGATGATGCGCATTTATGCTTAGAAAATGTT 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCTATACATTTCTGCCATCACTTAAC 2231
Db 2161 TGATTTCCATAGACCTCATCTAGATGTCATGGCTTACATTTCTGCCATCACTCAACCA 2220
Qy 2232 CA-TTTTTGTGTGTTCTGATGATAAATAGACAGTTCTTTATTTATTTCTCTCAAAATA 2290
Db 2221 TACTTTTTCTGTTTCTGATGATAAAGAGCTTTCTCTATGATTTGCCATCAAAATA 2280
Qy 2291 AAAGAACT-GAAATTTTCTTACATAGAGAAATGTCATAGATATTCAGTTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTCTTCTCACATAGAGAACTGTGCTAGTAAAGATATTTCAAGGTGA 2340
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Qy 2350 ATTATTTTGAGATAAGTAACCATTAGAAATATGTGATTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATAGTAACCTATTTGAAATATGTGGTGATTAATTTACTGAGTTTATAA 2399
Qy 2410 TTTAATTTGATGATACACTT-----GATTTAAATGTCTATTTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTATTTGATGATACACTTAAAGAAAGATTTATATGTTTATTTCTTTTAAATAATGATGAATAC 2459
Qy 2463 TCATAATTTCTTACTCTATATCAAAAGATATAATTTTACTGTAGAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTTATCTTATATCAAAAGATATAATTTTACTGTAGAAAATAAAGAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAAA 2538
Db 2520 TGTCTCAAAAGTAA 2535
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## RESULT 12

US-10-175-738-521  
; Sequence 521, Application US/10175738  
; Publication No. US20030022294A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: F3430R1C45

; CURRENT APPLICATION NUMBER: US/10/175,738

; CURRENT FILING DATE: 2002-06-19

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 521

; LENGTH: 2974

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-175-738-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;  
Best Local Similarity 96.3%; Pred. No. 0;  
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

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Qy 12 GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTGCAAGTCAGCTTGGTATTTCTGCG 71
Db 1 GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTGCAAGTCAGCTTGGTATTTCTGCG 60
Qy 72 TCCTGCAGCTCTTCTGTGTTGGCTGTGGAATCTGTGGGAAAGTCTGCTGTGGCCCTGTG 131
Db 61 TCCTGCAGCTCTTCTGTGTTGGCTGTGGAATCTGTGGGAAAGTCTGCTGTGGCCCTGTG 120
Qy 132 ACATGAGCCATTTGGCTTAATGTCAAGTCAATTTCTAGAAAGCTCATAGTGAGAGGCCATG 191
Db 121 ACATGAGCCATTTGGCTTAATGTCAAGTCAATTTCTAGAAAGCTCATAGTGAGAGGCCATG 180
Qy 192 AGCTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTTGACTACAGGAGCCCTTCTGCAT 251
Db 181 AGCTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTTGACTACAGGAGCCCTTCTGCAT 240
Qy 252 TGAATTTGAGGTGGTCCATATGCCACAGGACAGACAGAGAAAATGAAATATTTGTTG 311
Db 241 TGAATTTGAGGTGGTCCATATGCCACAGGACAGACAGAGAAAATGAAATATTTGTTG 300
Qy 312 ACCTAGCTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTTATAAATTAATG 371
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Db 301 ACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAAATTAAGT 360  
Qy 372 ATTTTCTTCTGAAATAAGAGNACTTTAAATAATGATGTGTGAGACTTTTATCTACAATC 431  
Db 361 ATTTTCTTCTGAAATAAGAGNACTTTAAATAATGATGTGTGAGACTTTTATCTACAATC 420  
Qy 432 AGACGCTTATGAAGAAGCTTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCGTGCA 491  
Db 421 AGACGCTTATGAAGAAGCTTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCGTGCA 480  
Qy 492 TTCCCTGTGGAGACCTGATGGCTGTGCTTGCAGTCCCTTTTGTGCTCACACTTTAGAA 551  
Db 481 TTCCCTGTGGAGACCTGATGGCTGTGCTTGCAGTCCCTTTTGTGCTCACACTTTAGAA 540  
Qy 552 TTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCCTATG 611  
Db 541 TTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCCTATG 600  
Qy 612 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 671  
Db 601 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 660  
Qy 672 CAATGCTTTCACTTTTGTTCCTCTCTGGAATCAGGATTCAGACTATCAATTTTGGGAAG 731  
Db 661 CAATGCTTTCACTTTTGTTCCTCTCTGGAATCAGGATTCAGACTATCAATTTTGGGAAG 720  
Qy 732 AGTTTATAGTAAGGCAATTAGNAGGCCCACTACATTAATGTGAGACTGTGGGAAAGCTG 791  
Db 721 AGTTTATAGTAAGGCAATTAGNAGGCCCACTACATTAATGTGAGACTGTGGGAAAGCTG 780  
Qy 792 AGATATGGCTTAATACCAACATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAC 851  
Db 781 AGATATGGCTTAATACCAACATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAC 840  
Qy 852 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTTGCCTAAGGAAATGGAAA 911  
Db 841 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTTGCCTAAGGAAATGGAAA 900  
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Db 901 ATTTTGTCCAGAGTTTCCAGGGAAGATGGTATTTGTGGTGTTTTCTCTGGGGTCACTGTTC 960  
Qy 972 AAAATGTTACAGAAAGAAAGGCTTAATCATTTGCTTCAGCCCTTGCCAGATCCCAACA 1031  
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Qy 1032 AGGTGTTATGGAGGTTACAAAGGAAAGAAACCAATCCATTTAGGAGCCAAATCTCGGCTGT 1091  
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Qy 1092 ATGATTTGGATACCCAGAAATGATCTTTTGGTTCATCCCAAAACCAAGCTTTTATCACTC 1151  
Db 1081 ATGATTTGGATACCCAGAAATGATCTTTTGGTTCATCCCAAAACCAAGCTTTTATCACTC 1140  
Qy 1152 ATGGTGAATGAATGGATCTTGAAGCTTATTTACCATGGGTCCCTATGTGGGAGTTC 1211  
Db 1141 ATGGTGAATGAATGGATCTTGAAGCTTATTTACCATGGGTCCCTATGTGGGAGTTC 1200  
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Db 1201 CCATATTTGGTGTATGAGCTTGTATACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAG 1260  
Qy 1272 AAATAAACTTCAAACTATGACAGGAGAGATTTTACTGAGGGCTTTGAGAAACAGTCAATTA 1331  
Db 1261 AAATAAACTTCAAACTATGACAGGAGAGATTTTACTGAGGGCTTTGAGAAACAGTCAATTA 1320  
Qy 1332 CCGATTCCTCTTATAAAGAGATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1391  
Db 1321 CCGATTCCTCTTATAAAGAGATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1380  
Qy 1392 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATGCGCCCAAGAGGAGCCA 1451  
Db 1381 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATGCGCCCAAGAGGAGCCA 1440

Qy 1452 AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCAGCACCTACTCTATAGATGTGA 1511  
Db 1441 AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCAGCACCTACTCTATAGATGTGA 1500  
Qy 1512 TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT 1571  
Db 1501 TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT 1560  
Qy 1572 TTTCCTGTCAAAAATTTTAAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTCCAA 1631  
Db 1561 TTTCCTGTCAAAAATTTTAAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTCCAA 1620  
Qy 1632 ATTTCAAGAAAGACCTGATGGGTAATCTGTGTTAAATTCAGGCCACATAGAAATTTGGTAAA 1691  
Db 1621 ATTTCAAGAAAGACCTGATGGGTAATCTGTGTTAAATTCAGGCCACATAGAAATTTGGTAAA 1680  
Qy 1692 ACCTTGTCTATTTTCTATATTTATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTAGAAT 1751  
Db 1681 ACCTTGTCTATTTTCTATATTTATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTAGAAT 1740  
Qy 1752 CCATGATCATGAGGTTGTGAGTATATCTCATTTCTTTGTTGCAATTTTCTAGGTGTCTT 1811  
Db 1741 CCATGATCATGAGGTTGTGAGTATATCTCATTTCTTTGTTGTAATTTTCTAGGTGTCTT 1800  
Qy 1812 ACTCTTCTCTCATCTTTGTGACACAGGACATGAATACATCTAAATTTTCTATTTCTG 1871  
Db 1801 ACTCTTCTCTCATCTTTGTGACACAGGACATGAATACATCTAAATTTTCTATTTCTG 1860  
Qy 1872 ATATCACTGTTTCCATGAGCTCATTTCTCTAACTTAAAGTGTAGGGTGACCTGCAA 1931  
Db 1861 ATATCACTGTTTGTGATGATGTCATTTCTTATATACTTAACTTAAAGTGTAGGGTGACATGCAA 1920  
Qy 1932 TATGCTGATTCCTGTTGTGCAAAAACATGGAATGTAAAGAGTAAATAATGTAAAT 1991  
Db 1921 TATGATTTATCTGTTGTGCGCCCAACACATGGAATGTAAAGAGGTAAATAATCTTAAAT 1980  
Qy 1992 TCACAAAATTCAGTAAACACACAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051  
Db 1981 TCACAAAATTCAGTAAACACACAAATCAGTAAAGTGTCTATGAGATTTAGCTTGTGCTATG 2040  
Qy 2052 AGTAAACATAATGATTTTCTTTTCAATTTAAATGAAGCCCTTCTACATACCAGCATTAC 2111  
Db 2041 AGAACAATAATGATGTTCTTTTCAATTTAAATGAAGCCCTTCTACATAGCCAGCATCAG 2100  
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Db 2101 TGATCTCAGAAAATAAATTTGCTTAATGATGACATGGCAATTTATGCTTAGAAAAGTTTGC 2160  
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCCTACATTTTCTGCCATCACTTAACCTGA 2231  
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCCCTACATTTCTGCCATCACTCAACCAA 2220  
Qy 2232 CA - TTTTGTGTGTCTTTGATGATAAATAGACAGTCTTATTTATTTGTCTCTCAAAATAA 2290  
Db 2221 TACTTTTCTGTCTTTCTTGATGATAAAGACCTTTCTCATGATTTGCCATCAAAATAACA 2280  
Qy 2291 AAAGAAACT - GAAATTTCTTACATAGAGAAATGTCCATTAAGATATTTCAAGTTTAAACAG 2349  
Db 2281 AAAGAAACTATTTTCTTCCATAGAGAACATGTCAGTAAAGATATTTCAAGGTGAAACAG 2340  
Qy 2350 ATTTATTTTGAGATAAGTAACCAATTAGAAATATGTCATTTGTAATTTCTGATTTTATAAAAT 2409  
Db 2341 ATATTTTGGGATTAGTAATCTATTTTGAATATGCTGGTGAATTAATTAAGTTTATAAAA - 2399  
Qy 2410 TTTAAATGATAGTACACTT - -----GATTTAAATGTCTATTTCTTT - AAAATCATGAATAC 2462  
Db 2400 TTTATTTGATAGTACACTTAAAGAAAGATTTATGTTTATTTCTTTAAATAATGATGAATAC 2459  
Qy 2463 TCATAATTTCTATCTATATAATCAAAAGATATTAATTTACTGTAGAAAATAAAGAGATGCT 2522  
Db 2460 TCATAATTTCTATCTATATAATCAAAAGATTAATTTTACTGTAGAAAATAAAGAGATGCT 2519



1632 ATTCAAGAAAGACCTGATGGGTAAATCCCTGTTAAATTCACAGCACATAGAAATTTGGTGAA 1691  
1621 ATTCAAGAAAGACCTGATGGGTAAATCCCTGTTAAATTCACAGCACATAGAAATTTGGTGAA 1680  
1692 ACCCTGCTATTTTCATATATCTATCTCTGTTATTTTATCTAGCTATATAGCCTAGAAAT 1751  
1681 ACCCTGCTATTTTCATATATCTATCTCTGTTATTTTATCTAGCTATATAGCCTAGAAAT 1740  
1752 CCATGATCATAGAGTTGTGAGTATATCTCATCTCTTTCGTTGGATTTTCTAGGTGCTT 1811  
1741 CCATGATCATAGAGTTGTGAGTATATCTCATCTCTTTCGTTGGATTTTCTAGGTGCTT 1800  
1812 ACTCTCTCTCTACCTTTGTGACACAGACATGAATACATCTAAATTTTCTATTTCTG 1871  
1801 ACTCTCTCTCTACCTTTGTGACACAGACATGAATACATCTAAATTTTCTATTTCTG 1860  
1872 ATATCACTGTTTCCATGACGTCATTTCTCTACCTTTAAGTGATGAGGTGACCTGCAA 1931  
1861 ATATGACTGTTTGTGATGATGTCATTTCTCTATAACCTTTAAGTGATGAGGTGACATGCAA 1920  
1932 TATGCTGATTCCTGTTTGTGACACAAACACATGATGATGAAGAAAGTAAAGAAATGTAAT 1991  
1921 TATGATTTATTCCTGTTGTCGCGCCAAACACATGATGATGAAGAGGTAAAGAAATCTTAAAT 1980  
1992 TCACAAATTCAGTAAACACACAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051  
1981 TCACAAATTCAGTAAACACACAAATCAAGTAAAGTTCATGAGATTTAGCTTGGCTATG 2040  
2052 AGTAAACATATGATTTTCTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTTAC 2111  
2041 AGAAACATATGATGTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATCAG 2100  
2112 TGATCTCAGCAATGATTTGCTTAAATGACATGATGAGGATTTACACTCAGATAGTTTGC 2171  
2101 TGATCTCAGAAATTAATTTGCTAAATTAATGATGACATGCGCATTTATGCTTAGAAAAGTTTC 2160  
2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCCTACATTTCTGCGCATCTTAACCTGA 2231  
2161 TGTATTTCCATAGACCTCATCTAGATGTCATGCGCTACATTTCTGCGCATCTTAACCTGA 2220  
2232 CA-TTTTTTGTGTTCTTGATGATAAATAGACAGTTCTTATTTATTTGCTCCTCAAAATA 2290  
2221 TACTTTTTTCTGTTCTTGATGATAAAGACCTTTCTCATGATTTGCCATCAAAATAACA 2280  
2291 AAGAAACT-GAAATTTCTTACATAGACAAATGTCATAGATTTCAAGTTAAACAG 2349  
2281 AAGAAACTATTTTTTCTCACAATAGAACATGTCAGTAAAGATATTTCAAGGTGAACAG 2340  
2350 ATTATTTTCAGATAAGTAAACCATAGAAATATGTTGATTTCTGATTTTATAAAT 2409  
2341 ATATTTTGGGATTAGTAACTATTTGAAATATGTTGGTGAATTTACTGAGTTTATAA- 2399  
2410 TTTAATGATAGTACATTT-----GATTTAAATGTCATTTCTTT-AAAATGATGAATAC 2462  
2400 TTTATTTGATAGTACATTTAAAGAAATTTATATGTTTATTTCTTTAAATGATGAATAC 2459  
2463 TCATAATTTCTATCTATAATCAAAAGTATTAATTTTACTGTGAGAAATTAAGAGATGCT 2522  
2460 TCATAATTTCTATCTATAATCAAAAGTATTAATTTTACTGTGAGAAATTAAGAGATGCT 2519  
2523 TGTCTCGAAAGTAA 2538  
2520 TGTCTCGAAAGTAA 2535

## RESULT 14

US-10-176-482-521  
; Sequence 521, Application US/10176482  
; Publication No. US2003002296A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C70  
; CURRENT APPLICATION NUMBER: US/10/176,482  
; CURRENT FILING DATE: 2002-06-20  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-482-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;  
Best Local Similarity 96.3%; Pred. No. 0;  
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

QY 12 GATCAGTGTGTGAGGAACTGCCATCATGAGCTCTGACAAAGTCAGCTTTGGTATTCTGCG 71  
DB 1 GATCAGTGTGTGAGGAACTGCCATCATGAGCTCTGACAAAGTCAGCTTTGGTATTCTGCG 60  
QY 72 TCCTCAGCTCTTCTGTGTGTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 131  
DB 61 TCCTCAGCTCTTCTGTGTGTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 120  
QY 132 ACATGAGCATTTGGCTTAATGTCAAGGTCATTTCTAGAGAGCTCATAGTGAGAGGCCATG 191  
DB 121 ACATGAGCATTTGGCTTAATGTCAAGGTCATTTCTAGAGAGCTCATAGTGAGAGGCCATG 180  
QY 192 AGGTAAACAGTATTTGACTCACTCAAAAGCCTTCGTTAAATTTGACTACAGGAGCCCTCTGCA 251  
DB 181 AGGTAAACAGTATTTGACTCACTCAAAAGCCTTCGTTAAATTTGACTACAGGAGCCCTCTGCA 240  
QY 252 TGAATTTTGTGAGTGTCTCATATGCCACAGGACAGAAACAGAAATGAAATTTTGTG 311  
DB 241 TGAATTTTGTGAGTGTCTCATATGCCACAGGACAGAAACAGAAATGAAATTTTGTG 300  
QY 312 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTATAAATTTAAATG 371  
DB 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTATAAATTTAAATG 360  
QY 372 ATTTTGTGAGGAAATAGAGGAACTTTTAAATGATGTGTGAGAGCTTTTCTACAATC 431  
DB 361 ATTTTGTGAGGAAATAGAGGAACTTTTAAATGATGTGTGAGAGCTTTTCTACAATC 420  
QY 432 AGACGCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCCCTGCA 491  
DB 421 AGACGCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCCCTGCA 480  
QY 492 TTCCCTGTGGAGACCTGATGCTGTGCTTTGAGTCCCTTTTGTGCTCAGCTTAGAA 551  
DB 481 TTCCCTGTGGAGACCTGATGCTGTGCTTTGCTGAGTCCCTTTTGTGCTCAGCTTAGAA 540  
QY 552 TTTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAAATCTCCAGCTCCACCTTTCTCATG 611  
DB 541 TTTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAAATCTCCAGCTCCACCTTTCTCATG 600  
QY 612 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 671  
DB 601 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 660  
QY 672 CAATGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTT 731  
DB 661 CAATGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTTGTGCTTTT 720

QY 732 AGTTTATAGTAAGGCATTAGGAAGGCCACTACATATTATGTGAGACTGTGGGAAAAGCTG 791  
DB 721 AGTTTATAGTAAGGCATTAGGAAGGCCACTACATATTATGTGAGACTGTGGGAAAAGCTG 780  
QY 792 AGATATGCTAATACGAACATATTGGGATTTTGAATTTCTCAACCACTACCAACTAACT 851  
DB 781 AGATATGCTAATACGAACATATTGGGATTTTGAATTTCTCAACCACTACCAACTAACT 840  
QY 852 TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCCAAAGCTTTGCTCAAGGAAATGGAAA 911  
DB 841 TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCCAAAGCTTTGCTCAAGGAAATGGAAA 900  
QY 912 ATTTTGTCCAGATTCAGGGGAAGATGTATTTGGTGTGTTTCTCTGGGGTCACTGTTTC 971  
DB 901 ATTTTGTCCAGATTCAGGGGAAGATGTATTTGGTGTGTTTCTCTGGGGTCACTGTTTC 960  
QY 972 AAAATGTTTACAGAAGAAAGCTAATATCATTTGCTTCAGCCCTTGCCCAAGTCCACAGA 1031  
DB 961 AAAATGTTTACAGAAGAAAGCTAATATCATTTGCTTCAGCCCTTGCCCAAGTCCACAGA 1020  
QY 1032 AGGTGTTTATGGAGGTACAAAAGGAAAAAACCATCCATATTAGGAGCCAACTACTCGGCTGT 1091  
DB 1021 AGGTGTTTATGGAGGTACAAAAGGAAAAAACCATCCATATTAGGAGCCAACTACTCGGCTGT 1080  
QY 1092 ATGATTGGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1151  
DB 1081 ATGATTGGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1140  
QY 1152 ATGTTGGAATGAATGGGATCTATGAAGCTATTATGAGCTATTTACCAATGGGTCCTATGGTGGAGTTC 1211  
DB 1141 ATGTTGGAATGAATGGGATCTATGAGCTATTTACCAATGGGTCCTATGGTGGAGTTC 1200  
QY 1212 CCATATTGTTGATGACGTTGATTAACATAGCTCATGTAAGGCCAAAGGAGCAGCTGTAG 1271  
DB 1201 CCATATTGTTGATGACGTTGATTAACATAGCTCATGTAAGGCCAAAGGAGCAGCTGTAG 1260  
QY 1272 AAATAAACTTCAAACTATGACAGCGAAGATTCTAGGCGCTTTGAGAACAGTCAATTA 1331  
DB 1261 AAATAAACTTCAAACTATGACAGCGAAGATTCTAGGCGCTTTGAGAACAGTCAATTA 1320  
QY 1332 CCGATTCCTCTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTG 1391  
DB 1321 CCGATTCCTCTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTG 1380  
QY 1392 TAAAGCCCTTAGATCGAGCAGTCTTCTGAGTCGAGTTTGTATGCGGCCACAAAGAGGCCA 1451  
DB 1381 TAAAGCCCTTAGATCGAGCAGTCTTCTGAGTCGAGTTTGTATGCGGCCACAAAGAGGCCA 1440  
QY 1452 AGCACTGCGATCAGCTGCCCATGACCTCACCTGGTTCAGCACTACTCTATAGATGTA 1511  
DB 1441 AGCACTGCGATCAGCTGCCCATGACCTCACCTGGTTCAGCACTACTCTATAGATGTA 1500  
QY 1512 TTGGGTTCTGCTGACCTGTGGCAACTGCTATATTCTTGTTCACAAATGTTTTTTAT 1571  
DB 1501 TTGGGTTCTGCTGACCTGTGGCAACTGCTATATTCTTGTTCACAAATGTTTTTTAT 1560  
QY 1572 TTTCTCTGCAAAATTTAAATAAACTAGAAGATAGAAAAGAGGGAATAGATCTTTCCAA 1631  
DB 1561 TTTCTCTGCAAAATTTAAATAAACTAGAAGATAGAAAAGAGGGAATAGATCTTTCCAA 1620  
QY 1632 ATTCAAGAAAGACCTGATGGGTAATCCTGTTAATTCAGCCACATAGAATTTGGTGAAA 1691  
DB 1621 ATTCAAGAAAGACCTGATGGGTAATCCTGTTAATTCAGCCACATAGAATTTGGTGAAA 1680  
QY 1692 ACCTTGCTATTTTCATATTAATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTTAGAAT 1751  
DB 1681 ACCTTGCTATTTTCATATTAATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTTAGAAT 1740  
QY 1752 CCATGATCATGAGTTGTGAGTATATCTCATCTTTGTTGCACTTTTCTAGGTGCTT 1811  
DB 1741 CCATGATCATGAGTTGTGAGTATATCTCATCTTTGTTGCACTTTTCTAGGTGCTT 1800  
QY 1812 ACTCTCTCTCTCACTTTGTGACACAAGGACATGAATACATCTAAATTTTCTCTATTCTG 1871

DB 1801 ACTCTCTCTCTCACTTTGTGACACAAGGACATGAATACATCTAAATTTTCTATTCTG 1860  
QY 1872 ATATCACTGTTTCCATGACGTCATTACTTCTTAACCTTAAGTGTATGGGTGACCTGCAA 1931  
DB 1861 ATATGACTGTTTTCATGATGTCATTACTTCTTAACCTTAAGTGTATGGGTGACATGCA 1920  
QY 1932 TATGCTGATTTCTGCTGTTTGGCAAAACACATGGATGTAAGAAAGTAAAAAATGTAAAT 1991  
DB 1921 TATGATTTATTTCTGCTGTCGCGCCCAACACATGATATAAAGAGTAAAAAATTTAAAT 1980  
QY 1992 TCACAAAATTCAGTAAACCAACAAATCAATGAAGCAATCTATGACATAGCTTGTATG 2051  
DB 1981 TCACAAAATTCAGTAAACCAACAAATCAGTAAAGTGTCTTATGAGATTAGCTGGCTATG 2040  
QY 2052 AGTAAACATATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCACCATTTAC 2111  
DB 2041 AGTAAACATATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCCATCAG 2100  
QY 2112 TGATCTCAGACAAATGAAATGCTAAAAATGACGATAGGCGCATTAACCTCAGAAATAGTTTC 2171  
DB 2101 TGATCTCAGACAAATGAAATGCTAAAAATGACGATAGGCGCATTAACCTCAGAAATAGTTTC 2160  
QY 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCTACATTTCTGCCATCCTTAACCTGA 2231  
DB 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCCTACATTTCTGCCATCCTCAACCAA 2220  
QY 2232 CA-TTTTCTGCTGCTTCTGATGATTAATGACAGTCTTCTTATTTCTCTCAATTAATA 2290  
DB 2221 TACTTTTTCTGTTTTCTGATGATAAAGACCTTTCTCATGATTTGCCATCAAAATAACA 2280  
QY 2291 AAAGAAACT-GAAATTTCTTACATAGAGAAATGTCCTAAGATATTCAAGTTTAAACAG 2349  
DB 2281 AAAGAACTATTTTTTCTTCAATAGAGAACTGTCAGTAAAGATATTCAAGTTGAACAG 2340  
QY 2350 ATTATTTTGAGTAAGTAACCATTTAGAAATATGATGATTGTAATTTCTGATTTTATAAAT 2409  
DB 2341 ATATTTTGGGATTAGTAACCTATTTGAAATATGTTGGTGATAATTTACTGAGTTTATAAAA- 2399  
QY 2410 TTTAATGATGATACACTT-----GATTTAATGCTATTCTTT-AAAATGATGAATAC 2462  
DB 2400 TTTATTTGATGATACACTTAAAGAAAGATTTATATGTTTCTTTTAAAAATGATGAATAC 2459  
QY 2463 TCATAATTTCTATCTCTATTAATCAAAAGTATAATTTACTGTAGAAAAATAAAGAGATGCT 2522  
DB 2460 TCATAATTTCTATCTCTATTAATCAAAAGTATAATTTACTGTAGAAAAATAAAGAGATGCT 2519  
QY 2523 TGTTCTGAAAAGTAAAA 2538  
DB 2520 TGTTCTGAAAAGTAAGA 2535

## RESULT 15

US-10-176-757-521  
; Sequence 521, Application US/10176757  
; Publication No. US20030022297A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Deenoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C86  
; CURRENT APPLICATION NUMBER: US/10/176,757  
; CURRENT FILING DATE: 2002-06-20



; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-757-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;  
Best Local Similarity 96.3%; Pred. No. 0;  
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;  
QY 12 GATCAGTGTGAGGAACTGCCATCATCAGAGTCTGACAAGTCAGCTTTGGTATTCTGC 71  
DB 1 GATCAGTGTGAGGAACTGCCATCATCAGAGTCTGACAAGTCAGCTTTGGTATTCTGC 60  
QY 72 TCCTGAGCTCTTCTGTGTGTGCTGTGGAATCTGTGGAAAGTCCTGTGTGCGCCCTGTG 131  
DB 61 TCCTGAGCTCTTCTGTGTGTGCTGTGGAATCTGTGGAAAGTCCTGTGTGCGCCCTGTG 120  
QY 132 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGGCCATG 191  
DB 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGGCCATG 180  
QY 192 AGGTAACTGATTTGACTCACTCAAGCCCTTCTGTTAATTCAGTACAGGAAGCTTCTGCAT 251  
DB 181 AGGTAACTGATTTGACTCACTCAAGCCCTTCTGTTAATTCAGTACAGGAAGCTTCTGCAT 240  
QY 252 TGAATTTGAGGTGTCCTATGCCACAGGACAGAACAGAGAAATGAAATATTGTTG 311  
DB 241 TGAATTTGAGGTGTCCTATGCCACAGGACAGAACAGAGAAATGAAATATTGTTG 300  
QY 312 ACCTAGCTGTAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG 371  
DB 301 ACCTAGCTGTAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG 360  
QY 372 ATTTTCTGTGAAATAAGAGAACTTTAAATAATGATGTGAGAGCTTTTCTACAATC 431  
DB 361 ATTTTCTGTGAAATAAGAGAACTTTAAATAATGATGTGAGAGCTTTTCTACAATC 420  
QY 432 AGACGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGTCTTATAGACCCTGTGA 491  
DB 421 AGACGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGTCTTATAGACCCTGTGA 480  
QY 492 TTCCCTGTGGAGACCTGATGGCTGAGTTCCTGTGAGTCCCTTTGTGCTCACTTAGAA 551  
DB 481 TTCCCTGTGGAGACCTGATGGCTGAGTTCCTGTGAGTCCCTTTGTGCTCACTTAGAA 540  
QY 552 TTCTGTAGGAGCAATATGGAGCAAGCTGTGGAAACTTCCAGCTCCACTTTTCTATG 611  
DB 541 TTCTGTAGGAGCAATATGGAGCAAGCTGTGGAAACTTCCAGCTCCACTTTTCTATG 600  
QY 612 TACCTGTGCTTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAAT 671  
DB 601 TACCTGTGCTTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAAT 660  
QY 672 CAATGCTTTCAGTTTGTCCACTCTCGAATTCAGGATTCAGACTATCAATTTTGGGAAG 731  
DB 661 CAATGCTTTCAGTTTGTCCACTCTCGAATTCAGGATTCAGACTATCAATTTTGGGAAG 720  
QY 732 AGTTTATAGTAAGCAATTAGGAAGCCCACTACATTATGTAGAGCTGTGGAAAGCTG 791  
DB 721 AGTTTATAGTAAGCAATTAGGAAGCCCACTACATTATGTAGAGCTGTGGAAAGCTG 780  
QY 792 AGATATGGCTAATACGAACATATGGGATTTTGAATTTTCCCTCAACCATACCAACCTAACT 851  
DB 781 AGATATGGCTAATACGAACATATGGGATTTTGAATTTTCCCTCAACCATACCAACCTAACT 840  
QY 852 TTGAGTTTGTGGAGATTCGACTGATAACCTGCGCAAGCTTTGCCCTAAGGAAATGGA 911  
DB 841 TTGAGTTTGTGGAGATTCGACTGATAACCTGCGCAAGCTTTGCCCTAAGGAAATGGA 900  
QY 912 ATTTTGTCCAGAGTTCCAGGGAAGATGGTATTGTGTGTTTCTCTGCGGTTCACCTGTTTC 971

DB 901 ATTTTGTCCAGAGTTCCAGGGAAGATGGTATTGTGTGTTTCTCTGCGGTTCACCTGTTTC 960  
QY 972 AAAATGTTACAGAGAAAGGCTAATATATCATTTGCTTTCAGCCCTTCCAGATCCACAG 1031  
DB 961 AAAATGTTACAGAGAAAGGCTAATATATCATTTGCTTTCAGCCCTTCCAGATCCACAG 1020  
QY 1032 AGGTCTTATGAGGTACAAAGGAAAAAACCATCCACATTTAGGAGCCCAATATCTCGGCTGT 1091  
DB 1021 AGGTCTTATGAGGTACAAAGGAAAAAACCATCCACATTTAGGAGCCCAATATCTCGGCTGT 1080  
QY 1092 ATGATTTGATATCCCGAGAAATGATCTTCTTTGGTTCATCCCAAAACCAAGCTTTTATCAGTC 1151  
DB 1081 ATGATTTGATATCCCGAGAAATGATCTTCTTTGGTTCATCCCAAAACCAAGCTTTTATCAGTC 1140  
QY 1152 ATGTTGGAATGATGAGATCTTATGAAGCTATTTACATGGGGTCCCTATGTTGGGAGTTC 1211  
DB 1141 ATGTTGGAATGATGAGATCTTATGAAGCTATTTACATGGGGTCCCTATGTTGGGAGTTC 1200  
QY 1212 CCATATTTGGTATCAGCTTGTATACATGATGATGATGATGATGATGATGATGATGATGATG 1271  
DB 1201 CCATATTTGGTATCAGCTTGTATACATGATGATGATGATGATGATGATGATGATGATG 1260  
QY 1272 AAATAAACTTCAAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGAGAAACAGTCATTA 1331  
DB 1261 AAATAAACTTCAAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGAGAAACAGTCATTA 1320  
QY 1332 CCGATTTCTTATAAAGAGAAATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTG 1391  
DB 1321 CCGATTTCTTATAAAGAGAAATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTG 1380  
QY 1392 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTCATGCGCCCAAGAGAGCCA 1451  
DB 1381 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTCATGCGCCCAAGAGAGCCA 1440  
QY 1452 AGCACCTGCGATCAGCTGCCATGACCTCACCTGGTTCAGACACTACTCTATAGATGTA 1511  
DB 1441 AGCACCTGCGATCAGCTGCCATGACCTCACCTGGTTCAGACACTACTCTATAGATGTA 1500  
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DB 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT 1560  
QY 1572 TTTCTGTCAAAATTTTAAATAAACTAGAAAGTAAAGAGGAAATAGATCTTTCCAA 1631  
DB 1561 TTTCTGTCAAAATTTTAAATAAACTAGAAAGTAAAGAGGAAATAGATCTTTCCAA 1620  
QY 1632 ATTCAGAAAGACCTGATGGGGTAACTCTGTTTAAATTCAGCCACATAGAAATTTGGTAAA 1691  
DB 1621 ATTCAGAAAGACCTGATGGGGTAACTCTGTTTAAATTCAGCCACATAGAAATTTGGTAAA 1680  
QY 1692 ACCTTGCTATTTTCAATATTTCTATTTCTGTTATTTTCTAGCTATATAGCTTAGAAT 1751  
DB 1681 ACCTTGCTATTTTCAATATTTCTATTTCTGTTATTTTCTAGCTATATAGCTTAGAAT 1740  
QY 1752 CCATGATCATGAGTGTGAGTATATCTCATTTCTGTTGATTTTCTAGCTGTGCTT 1811  
DB 1741 CCATGATCATGAGTGTGAGTATATCTCATTTCTGTTGATTTTCTAGCTGTGCTT 1800  
QY 1812 ACTCTCTCTCTCACTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1871  
DB 1801 ACTCTCTCTCTCACTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1860  
QY 1872 ATATCACTGTTTCCATGAGCTCAATTTCTCTAACTTAACTAGTATAGGCTGACCTGCAA 1931  
DB 1861 ATATCACTGTTTCCATGAGCTCAATTTCTCTAACTTAACTAGTATAGGCTGACCTGCAA 1920  
QY 1932 TATGCTGATTTCTGCTGTTTGCACAAACACATGAGTAAAGAGTAAAGAAATGAAAT 1991  
DB 1921 TATGATTTATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980  
QY 1992 TCACAAAATTCAGTAAACCCACAAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051







GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 4, 2005, 23:01:44 ; Search time 28 Seconds  
(without alignments)  
1405.002 Million cell updates/sec

Title: US-09-784-340-2

Perfect score: 2802

Sequence: 1 MRSDKSNLVLLQLFCVGC.....KCFLFSCQKNKTKIEKRE 527

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

- 1: /cgn2\_6/ptodata/1/iaa/5A.COMB.pap.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B.COMB.pap.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A.COMB.pap.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B.COMB.pap.\*
- 5: /cgn2\_6/ptodata/1/iaa/6C.COMB.pap.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1732	61.8	530	3	US-09-180-852-2
2	1729	61.7	528	4	US-09-356-806-8
3	1725	61.6	540	4	US-09-949-016-8465
4	1725	61.6	540	4	US-09-949-016-8052
5	1713	61.1	530	4	US-09-356-806-113
6	1689	60.3	528	4	US-09-949-016-6999
7	1673.5	59.7	524	4	US-09-356-806-40
8	1480	52.8	439	4	US-09-949-016-8605
9	1418	50.6	388	4	US-09-949-016-8466
10	1418	50.6	388	4	US-09-949-016-8467
11	1399	49.9	454	3	US-09-813-918-2
12	1399	49.9	454	4	US-10-060-311-2
13	1354	48.3	440	4	US-09-949-016-8606
14	1354	48.3	440	4	US-09-949-016-8607
15	1155	41.2	288	3	US-09-813-918-3
16	1155	41.2	288	4	US-10-060-311-3
17	1137	40.6	533	4	US-09-949-016-5947
18	1137	40.6	538	4	US-09-949-016-7684
19	1130	40.3	533	5	PCT-US92-00282-3
20	1128.5	40.3	531	5	PCT-US92-00282-6
21	1077	38.4	531	5	PCT-US92-00282-5
22	1076.5	38.4	534	5	PCT-US92-00282-4
23	1052.5	37.6	529	5	PCT-US92-00282-7
24	755.5	27.0	245	4	US-09-305-856B-18
25	472.5	16.9	256	4	US-09-270-767-33692
26	472.5	16.9	256	4	US-09-270-767-48909
27	405	14.5	78	4	US-09-513-999C-7361

28	401.5	14.3	389	4	US-09-270-767-45357	Sequence 45357, A
29	391	14.0	129	4	US-09-370-838-36	Sequence 36, Appl
30	391	14.0	129	4	US-09-854-133-36	Sequence 36, Appl
31	383.5	13.7	288	4	US-09-305-856B-2	Sequence 2, Appl
32	383.5	13.7	288	5	PCT-US92-00282-19	Sequence 19, Appl
33	356.5	12.7	515	3	US-08-942-012B-32	Sequence 32, Appl
34	353.5	12.6	197	3	US-09-813-918-4	Sequence 4, Appl
35	353.5	12.6	197	4	US-10-060-311-4	Sequence 4, Appl
36	349.5	12.5	310	4	US-09-305-856B-14	Sequence 14, Appl
37	341	12.2	287	4	US-09-305-856B-10	Sequence 10, Appl
38	341	12.2	460	3	US-08-942-012B-33	Sequence 33, Appl
39	333.5	11.9	286	5	PCT-US92-00282-9	Sequence 9, Appl
40	330	11.8	339	4	US-09-270-767-42493	Sequence 42493, A
41	329	11.7	488	3	US-08-942-012B-29	Sequence 29, Appl
42	329	11.7	488	3	US-08-942-012B-30	Sequence 30, Appl
43	327.5	11.7	317	4	US-09-305-856B-12	Sequence 12, Appl
44	326	11.6	289	4	US-09-305-856B-4	Sequence 4, Appl
45	326	11.6	289	5	PCT-US92-00282-11	Sequence 11, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-180-852-2

; Sequence 2, Application US/09180852

; Patent No. 6287834

; GENERAL INFORMATION:

; APPLICANT: BELANGER, Alain

; APPLICANT: HUM, Dean W.

; APPLICANT: BEAULIEU, Martin

; APPLICANT: LEVESQUE, Eric

; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE

; FILE REFERENCE: 1259-449

; CURRENT APPLICATION NUMBER: US/09/180,852

; CURRENT FILING DATE: 1999-02-08

; EARLIER APPLICATION NUMBER: PCT/CA97/00328

; EARLIER FILING DATE: 1997-05-16

; EARLIER APPLICATION NUMBER: US 08/649,319

; EARLIER FILING DATE: 1996-05-17

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 530

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-180-852-2

Query Match 61.8%; Score 1732; DB 3; Length 530;  
Best Local Similarity 61.5%; Pred. No. 1.1e-178;  
Matches 326; Conservative 74; Mismatches 112; Indels 18; Gaps 3;

Qy	9	VFLLLQLFC-VGGFCGKVLWPCDMSHNLVRLVLEELIVRGHEVTVLTHSKPSLIDYR	67
Db	8	VFLLMQLSCYFSSGCGKVLWPTESHWINMKLTLELVQRGHEVTVLTHSKPSLIDYR	67
Qy	68	KPSALKEEVHMPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVEIRGLTKM----	123
Db	68	KSSAILEVYPTSLTKNDLEDFFMK-----FDRWYISISKNFTWSYFSQLQELCWEY	120
Qy	124	-----MCESFIVNQLMKLQETNYDVLIDPVPICGDLMAELLAVPFLVTLRLISVCGN	177
Db	121	SDYNIKLCEDAVLNKLMKRLQESKFDVLLADAVNPGELLAELLNTPFLYSLRFSVGYT	180
Qy	178	MERSCGKLPAPLSYVPVMTGLTDRMTFLERVKNLSMLVLFHFQIDYDHFHWFEEFYSKA	237
Db	181	VEKNGGFLFPSPVYPVVMSELSDQIMFMRKIMYMLYDFDFWQAYDLKKWQDFYSEV	240
Qy	238	LGPRPTLCETVGAEIWLRTYWDFFPQYQPNFVFVGLHCKPAKALPKEMENFVQSS	297
Db	241	LGPRPTLTFETMGAEIWLRTYWDFFPQYQPNFVFVGLHCKPAKALPKEMENFVQSS	300



## RESULT 4

US-09-949-016-9052  
; Sequence 9052, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN-DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9052  
; LENGTH: 540  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-9052

Query Match 61.6%; Score 1725; DB 4; Length 540;

Best Local Similarity 62.7%; Pred. No. 6.3e-178;

Matches 331; Conservative 62; Mismatches 131; Indels 4; Gaps 3;

Qy 3 SDKSALVLLQLPC-VGCGFCGKVLWPCDMSHNLNVKILBELIVRGHEVTVLTHSKPLIDYR 61

Db 14 SMKWTSAALLQLSCYFSSGCGKVLWVPTFESHWNKILDELQVORGHEVTVLTHSKPL 73

Qy 62 SLIDYRPSALKKEVHMPQDRTENEIFVDLALN--VLGLSTWQSVKLNDFEVRIG 119

Db 74 ISDPNPSPTLKFVYVSVTKTFEDIIKQLVXRWAEPLKDTFWSYFQVQSEIMMTFND 133

Qy 120 TLKMCESFYNOTLMKKLOETNDVMDLIDPVPICGDLMAELLAVPVLTRISVGCNME 179

Db 134 ILRKFCKDIVSNKMKLQESRFDVVLADAVFPFGLLEALLKIPFYSLSRSPGYAIE 193

Qy 180 RSCGKLPAPLSYVVPVMTGLTDRMTFLERVKNLSVLPHFWIQDYDFHWEFYSKALG 239

Db 194 KHSGGLLPSPYVVPVMSLSQMTFIERVKNNIYVLYFDFWFIQIDMKXWDQFSEVLG 253

Qy 240 RPTLCTETGKAEIWLIRTWDFEPQYQNFEPVGLHCKPAKALPKEMENFVQSSGE 299

Db 254 RPTLSETMAKADIWLIRTWDFEPHLLPNVEFVGLHCKPAKPLPKEMEEFVQSSGE 313

Qy 300 DGIWVFLSLGFQNVTEKANIISALAQIPQKVLWRYKGGKPSLTGANTRLYDWIPQND 359

Db 314 NGVVFLSGMVSNTSEERANVTSALAKIPQKVLWRFQDGNKPTDLGNTRLYKWIIPQND 373

Qy 360 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLDNIAMKAGAAVEINFKTMT 419

Db 374 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLDNIAMKAGAAVSLDPTMS 433

Qy 420 SEDLLRALRTVITDSSYKENAMRLSRHHDPVKPLDRAVFWIEFVNRHKGAKHLRSAH 479

Db 434 STDLNALKTVINDPLVYKENAMKLSRIHDDQPKPLERAVFWIEFVNRHKGAKHLRVAH 493

Qy 480 DLTFQHYSDIVGLFLTCVATAIFLFTKCFLSCQKFNKTRKIEKE 527

Db 494 DLTFQHYSLDVGLFLACVATVFIITKC-LFCVWKFVITGKGGKRD 540

## RESULT 5

US-09-356-806-113  
; Sequence 113, Application US/09356806  
; Patent No. 6586175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura

; APPLICANT: Galvin, Margaret

; APPLICANT: Miller, Andrew

; APPLICANT: Reidy, Michael

; TITLE OF INVENTION: Genotyping Human

; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and

; FILE REFERENCE: 2B15 (UGT2B15) Genes

; CURRENT APPLICATION NUMBER: US/09/356,806

; CURRENT FILING DATE: 1999-07-20

; NUMBER OF SEQ ID NOS: 164

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 113

; LENGTH: 530

; TYPE: PRT

; ORGANISM: H. sapiens

US-09-356-806-113

Query Match 61.1%; Score 1713; DB 4; Length 530;

Best Local Similarity 62.0%; Pred. No. 1.2e-176;

Matches 327; Conservative 74; Mismatches 114; Indels 12; Gaps 5;

Qy 9 VFLLQLPC-VGCGFCGKVLWPCDMSHNLNVKILBELIVRGHEVTVLTHSKPLIDYR 67

Db 8 VFLLQLSCYFSSGCGKVLWVPTFESHWNKILBELVORGHEVTVLTHSKPLIDYR 67

Qy 68 KPSALKPEVHMPQDRTENEIFVDLALNVLPL----GLST---WQSVIKLNDFEVRIGT 120

Db 68 KSSAILEV--YPTSLTKND--LEDLSLKILDRWIYGVSKNTFWSYFSQLQELCWEYDY 123

Qy 121 LKMCESFYNOTLMKKLOETNDVMDLIDPVPICGDLMAELLAVPVLTRISVGCNME 180

Db 124 SNKLCDAVLNKKLQESRFDVILADALNPGCELLAEFLNPFYLSLFSVGYTPEK 183

Qy 181 SCGKLPAPLSYVVPVMTGLTDRMTFLERVKNLSVLPHFWIQDYDFHWEFYSKALGR 240

Db 184 NGGGLPSPYVVPVMSLSQMTFIERVKNNIYVLYFDFWFIQIDMKXWDQFSEVLGR 243

Qy 241 PPTLCTETGKAEIWLIRTWDFEPQYQNFEPVGLHCKPAKALPKEMENFVQSSGE 300

Db 244 PPTLCTETGKAEIWLIRTWDFEPQYQNFEPVGLHCKPAKALPKEMENFVQSSGE 303

Qy 301 GIVVFLSGLSFQNVTEKANIISALAQIPQKVLWRYKGGKPSLTGANTRLYDWIPQNDL 360

Db 304 GIVVFLSGLSMVSNTSEERANVTSALAKIPQKVLWRFQDGNKPTDLGNTRLYKWIIPQNDL 363

Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLDNIAMKAGAAVEINFKTMTS 420

Db 364 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLDNIAMKAGAAVSLDPTMS 423

Qy 421 EDLLRALRTVITDSSYKENAMRLSRHHDPVKPLDRAVFWIEFVNRHKGAKHLRSAH 480

Db 424 RDLNALKTVINDPLVYKENAMKLSRIHDDQPKPLERAVFWIEFVNRHKGAKHLRVAH 483

Qy 481 LTWFOHYSDIVGLFLTCVATAIFLFTKCFLSCQKFNKTRKIEKE 527

Db 484 LTWFOHYSLDVGLFLACVATVFIITKCLFCFRKLAKTGKGGKRD 530

## RESULT 6

US-09-949-016-6999

; Sequence 6999, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; WITH HUMAN-DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR FILING DATE: 2000-10-20

; PRIOR FILING DATE: 2000-10-20

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 6999  
; LENGTH: 528  
; TYPE: PR1  
; ORGANISM: Human  
US-09-949-016-6999

Query Match 60.3%; Score 1689; DB 4; Length 528;  
Best Local Similarity 61.9%; Pred. No. 4.9e-174;  
Matches 327; Conservative 61; Mismatches 136; Indels 4; Gaps 3;  
QY 3 SDKSALVLLQLFC-VGGCGCKVLWPCDMSHNLVKEELIVRGHEVTVLTHSKP 61  
DB 2 SMKWTGALLLIQLSCYFSSGCKVLWPTFESHWNKTIILDELQVQHEVTVLASSAS 61  
QY 62 SLIDYRKPSALKEFVVHMPQDRTEENEIFVDLALN--VLPGSLTWQSVIKLNDFFVEIRG 119  
DB 62 ISFDNPSPTLKEPVYPSVLTKEFEDIIKQLVKRWAEPLKDTFWYFSQVQEIIMWTFND 121  
QY 120 TLKMCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELIAPFVLTLRISVGGNME 179  
DB 122 ILRKFCKDIVSNKKMLKQESRFDVVLADAVFPFCELLAELLKIPFVYRPRFSGYATE 181  
QY 180 RSCGKLPAPLSVYVPVMTGLTDMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALG 239  
DB 182 KHSGGLFPFVYVPMVMSLSQMTIERVKNIYVLYFEFQIFDMKKWDQFYSEVLG 241  
QY 240 RPTTLCETVGKAEIWLIRTYWDPFPPQVPNFYVGGHCKPAKALPKEMENFVQSSGE 299  
DB 242 RPTTLSETWAKADIWLIRYNDPQFPHPLLPNVDFVGGHCKPAKPLPKEMEEFVQSSGE 301  
QY 300 DGIWVPSLGSFONVTEEKANIIASALAIQIPQKVLWRYGKKPSTLGANTRYDWTIPOND 359  
DB 302 NGVVFSLGSMVSNTEERANVIASALAKIPQKVLWRFDPGNKPDTLGLNTRYKWIIPOND 361  
QY 360 LIGHPTKAFITHGGMNGIYEAIYHGVPMVGPVPIFGDQDLNIAHMKAKAAVEINPKTWT 419  
DB 362 LLGHPTKAFITHGGANGIYEAIYHGI PMVGIPLFADQPDNIAHMKARGAAVRVDNTMS 421  
QY 420 SEDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 479  
DB 422 STDLLNALKRVINDPDKYKENAMKLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 481  
QY 480 DLTWFQHSIDVIGLLTCVATAIFLTKCFLSCQKFNKTRKRE 527  
DB 482 DLTWFQHSIDVIGLLTCVATAIFLTKCFLSCQKFNKTRKRE 528

RESULT 7  
US-09-356-806-40  
; Sequence 40, Application US/09356806  
; Patent No. 6596175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura  
; APPLICANT: Galvin, Margaret  
; APPLICANT: Miller, Andrew  
; APPLICANT: Reidy, Michael  
; TITLE OF INVENTION: Genotyping Human  
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and  
; FILE REFERENCE: SEQ-22PRV2  
; CURRENT FILING DATE: 1999-07-20  
; NUMBER OF SEQ ID NOS: 164  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 40  
; LENGTH: 524  
; TYPE: PR1  
; ORGANISM: H. sapiens  
US-09-356-806-40

Query Match 59.7%; Score 1673.5; DB 4; Length 524;  
Best Local Similarity 61.0%; Pred. No. 2.3e-172;  
Matches 319; Conservative 66; Mismatches 135; Indels 3; Gaps 3;  
QY 3 SDKSALVLLQLFC-VGGCGCKVLWPCDMSHNLVKEELIVRGHEVTVLTHSKP 61  
DB 2 SVKWTGALLLIQLSCYFSSGCKVLWMAAEVSHWNKTIILDELQVQHEVTVLASSAS 61  
QY 62 SLIDYRKPSALKEFVVHMPQDRTE-ENEIFVDL-ALANVLPGSLTWQSVIKLNDFFVEIRG 119  
DB 62 ILFDPNNSALKIEIYPTSLTKTELENFIMOQIKWSDLPKDTFWLYFSQVQEIIMSFID 121  
QY 120 TLKMCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELIAPFVLTLRISVGGNME 179  
DB 122 ITRKFCKDIVSNKKFPMKVKQESRFDVIFADAIFFPCSELLAEIENFVYVLSFSPGYTPE 181  
QY 180 RSCGKLPAPLSVYVPVMTGLTDMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALG 239  
DB 182 KHSGGFIIPFVYVPMVMSLSQMTIERVKNIYVLYFEFQIFDMKKWDQFYSEVLG 241  
QY 240 RPTTLCETVGKAEIWLIRTYWDPFPPQVPNFYVGGHCKPAKALPKEMENFVQSSGE 299  
DB 242 RPTTLSETWAKADIWLIRYNDPQFPHPLLPNVDFVGGHCKPAKPLPKEMEEFVQSSGE 301  
QY 300 DGIWVPSLGSFONVTEEKANIIASALAIQIPQKVLWRYGKKPSTLGANTRYDWTIPOND 359  
DB 302 NGVVFSLGSMVSNTEERANVIASALAIQIPQKVLWRFDPGNKPDTLGLNTRYKWIIPOND 361  
QY 360 LIGHPTKAFITHGGMNGIYEAIYHGVPMVGPVPIFGDQDLNIAHMKAKAAVEINPKTWT 419  
DB 362 LLGHPTKAFITHGGANGIYEAIYHGI PMVGIPLFADQPDNIAHMKARGAAVRVDNTMS 421  
QY 420 SEDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 479  
DB 422 STDLLNALKRVINDPDKYKENAMKLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 481  
QY 480 DLTWFQHSIDVIGLLTCVATAIFLTKCFLSCQKFNKTRKRE 527  
DB 482 DLTWFQHSIDVIGLLTCVATAIFLTKCFLSCQKFNKTRKRE 528

RESULT 8  
US-09-949-016-8605  
; Sequence 8605, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 8605  
; LENGTH: 439  
; TYPE: PR1  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(439)  
; OTHER INFORMATION: Xaa = Any Amino Acid  
US-09-949-016-8605

Query Match 52.8%; Score 1480; DB 4; Length 439;  
Best Local Similarity 66.3%; Pred. No. 1.8e-151;



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RESULT 11
US-09-813-918-2
; Sequence 2, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Human
US-09-813-918-2

Query Match          49.9%; Score 1399; DB 3; Length 454;
Best Local Similarity 52.3%; Pred. No. 1.2e-142;
Matches 277; Conservative 56; Mismatches 103; Indels 94; Gaps 5;

QY 9 VFLLLQLFC-VCCGCGKVLWPCDMSHLNWKVLEBLIVRGHEVTVLTHSKPSLIDYR 67
DQ 8 VLLLIHLSCYFSSGCGKVLWAAEYSHWMNMKTILKELVQRGHEVTVLASSASILFDPN 67
QY 68 KPSALKFEVVMHPQDRTENEIFVDLALNVLPGSLTWQSVIKLNDFFV-----EI 117
DQ 68 DASTLKFEVYPTSLTKTEFNI-----IMQVKRW-SDIRKOSFWLYFSQEQEILWEL 119
QY 118 RGTLMKMCESFYNTQMLKQLQETNYDVMIDPVPICGDLMAELLAVPFVLTLSVGGN 177
DQ 120 YDIFRNFCCKVVSNNKWKQLQELRFDIVFADAVFPCCGELLAALLNI-----166
QY 178 MERSCGKLPAPLSYVVPVMTGLTDRMTFLERVKNMSLSVLHFHWIQDYDHFWEFYSKA 237
DQ 167 -----166
QY 238 LGRPTTLCETVGAIEWLIRTYWDPEFPQYOPNFEFVGGHLCKPAKALPKEMENFVOSS 297
DQ 167 --RPTTLFETMGKADIWLRNFWSPQFPHFPFNVDVFGGFHCKPAKALPKEMEEFVOSS 224
QY 298 GEDGIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLTGANTRLYDWIPQ 357
DQ 225 GENGWVFSLSGVSINMTAERANVIATALARIPOKVLWRFDPGNKPDALGLNTRLYKWIPQ 284
QY 358 NDLLGHPKTKAFITGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 417
DQ 285 NDLLGHPKTKAFITGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 344
QY 418 MTSDDLRLALRTVITDSSYKENAMRLSRIHQDPVKPLDRAVFWIEFVNRHKGAKHLRSA 477
DQ 345 MSSTDLNALKTVINDPLYKENIMKLSRIHQDPVKPLDRAVFWIEFVNRHKGAKHLRSA 404
QY 478 AHDLTWFOHYSIDVIGFLITCVATAIFLTKFLFCFSQCKFNKTRKIEKRE 527
DQ 405 AHDLTWFOHYSIDVIGFLITCVATAIFLTKFLFCFSQCKFNKTRKIEKRE 454

RESULT 12
US-10-060-311-2
; Sequence 2, Application US/10060311
; Patent No. 6713295
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001175DIV
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; CURRENT APPLICATION NUMBER: US/10/060,311
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-060-311-2

Query Match          49.9%; Score 1399; DB 4; Length 454;
Best Local Similarity 52.3%; Pred. No. 1.2e-142;
Matches 277; Conservative 56; Mismatches 103; Indels 94; Gaps 5;

QY 9 VFLLLQLFC-VCCGCGKVLWPCDMSHLNWKVLEBLIVRGHEVTVLTHSKPSLIDYR 67
DQ 8 VLLLIHLSCYFSSGCGKVLWAAEYSHWMNMKTILKELVQRGHEVTVLASSASILFDPN 67
QY 68 KPSALKFEVVMHPQDRTENEIFVDLALNVLPGSLTWQSVIKLNDFFV-----EI 117
DQ 68 DASTLKFEVYPTSLTKTEFNI-----IMQVKRW-SDIRKOSFWLYFSQEQEILWEL 119
QY 118 RGTLMKMCESFYNTQMLKQLQETNYDVMIDPVPICGDLMAELLAVPFVLTLSVGGN 177
DQ 120 YDIFRNFCCKVVSNNKWKQLQELRFDIVFADAVFPCCGELLAALLNI-----166
QY 178 MERSCGKLPAPLSYVVPVMTGLTDRMTFLERVKNMSLSVLHFHWIQDYDHFWEFYSKA 237
DQ 167 -----166
QY 238 LGRPTTLCETVGAIEWLIRTYWDPEFPQYOPNFEFVGGHLCKPAKALPKEMENFVOSS 297
DQ 167 --RPTTLFETMGKADIWLRNFWSPQFPHFPFNVDVFGGFHCKPAKALPKEMEEFVOSS 224
QY 298 GEDGIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLTGANTRLYDWIPQ 357
DQ 225 GENGWVFSLSGVSINMTAERANVIATALARIPOKVLWRFDPGNKPDALGLNTRLYKWIPQ 284
QY 358 NDLLGHPKTKAFITGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 417
DQ 285 NDLLGHPKTKAFITGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 344
QY 418 MTSDDLRLALRTVITDSSYKENAMRLSRIHQDPVKPLDRAVFWIEFVNRHKGAKHLRSA 477
DQ 345 MSSTDLNALKTVINDPLYKENIMKLSRIHQDPVKPLDRAVFWIEFVNRHKGAKHLRSA 404
QY 478 AHDLTWFOHYSIDVIGFLITCVATAIFLTKFLFCFSQCKFNKTRKIEKRE 527
DQ 405 AHDLTWFOHYSIDVIGFLITCVATAIFLTKFLFCFSQCKFNKTRKIEKRE 454

RESULT 13
US-09-949-016-8606
; Sequence 8606, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8606
; LENGTH: 440
; TYPE: PRT
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; ORGANISM: Human
US-09-949-016-8606

Query Match
  48.3%; Score 1354; DB 4; Length 440;
Best Local Similarity 60.0%; Pred. No. 8.4e-138;
Matches 260; Conservative 63; Mismatches 98; Indels 12; Gaps 5;

QY 9 VFLLQLFC-VGCGFCCKVLWPCDMSHNLNVKLVILEELIVRGHEVTVLTHSKPSLIDYR 67
DB 11 VFLLQLSCVSSGCGKVLWVPTESYSHWIMNMKTILEELVQRGHEVTVLTHSSASTLVNAS 70

QY 68 KPSALKFEVVMFPQDRTEENEIFVDLALNVLP-----GLST---WQSVIKLNDFFVEIRGT 120
DB 71 KSSAIKLEV--YPTSLTK--NYLEDSLLKILDRWIYGVSKNTFWSYFSQQLQELCWEYDY 126

QY 121 LKWCESFIYNOTLMKKLQSTNYDVMILDPVPCGDLMAELLAVPFFVLTIRISVGGNMER 180
DB 127 SNKLCRDVNLKMLKQESKFDVILADALNPGCELLAELFNPFIYLSURFSVGYTFEK 186

QY 181 SCCKLPAPLSYVPVPMPTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
DB 187 NGGGLFPSPSYVPMVSELSQDMIFMERIKNMTHMLYDFWFQIYDLKKWDQFSEVLGR 246

QY 241 PTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGED 300
DB 247 PTTLFETMGKAEMLIRTYWDFEPPFPFVGLHCKPAKPLPKEMEERFVQSSGEN 306

QY 301 GIUVFSLGSLFONVTEKANIISALAQIPQKVLWRYGKPKSTLGANTRLYDWIPOND 360
DB 307 GIUVFSLGSMISNSESANIASALAQIPQKVLWRFDPGKKPNTLGSNTRLYKWLQNDL 366

QY 361 LGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFGDOLDNIAHMKAKGAAVEINFKTMTS 420
DB 367 LGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFADQHDNIAHMKAKGALSVDIRTMS 426

QY 421 EDLLRALRTVITD 433
DB 427 RDLNLAKSVIND 439

RESULT 14
US-09-949-016-8607
; Sequence 8607, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8607
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8607

Query Match
  48.3%; Score 1354; DB 4; Length 440;
Best Local Similarity 60.0%; Pred. No. 8.4e-138;
Matches 260; Conservative 63; Mismatches 98; Indels 12; Gaps 5;

QY 9 VFLLQLFC-VGCGFCCKVLWPCDMSHNLNVKLVILEELIVRGHEVTVLTHSKPSLIDYR 67
DB 11 VFLLQLSCVSSGCGKVLWVPTESYSHWIMNMKTILEELVQRGHEVTVLTHSSASTLVNAS 70

QY 68 KPSALKFEVVMFPQDRTEENEIFVDLALNVLP-----GLST---WQSVIKLNDFFVEIRGT 120
DB 71 KSSAIKLEV--YPTSLTK--NYLEDSLLKILDRWIYGVSKNTFWSYFSQQLQELCWEYDY 126

QY 121 LKWCESFIYNOTLMKKLQSTNYDVMILDPVPCGDLMAELLAVPFFVLTIRISVGGNMER 180
DB 127 SNKLCRDVNLKMLKQESKFDVILADALNPGCELLAELFNPFIYLSURFSVGYTFEK 186

QY 181 SCCKLPAPLSYVPVPMPTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
DB 187 NGGGLFPSPSYVPMVSELSQDMIFMERIKNMTHMLYDFWFQIYDLKKWDQFSEVLGR 246

QY 241 PTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGED 300
DB 247 PTTLFETMGKAEMLIRTYWDFEPPFPFVGLHCKPAKPLPKEMEERFVQSSGEN 306

QY 301 GIUVFSLGSLFONVTEKANIISALAQIPQKVLWRYGKPKSTLGANTRLYDWIPOND 360
DB 307 GIUVFSLGSMISNSESANIASALAQIPQKVLWRFDPGKKPNTLGSNTRLYKWLQNDL 366

QY 361 LGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFGDOLDNIAHMKAKGAAVEINFKTMTS 420
DB 367 LGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFADQHDNIAHMKAKGALSVDIRTMS 426

QY 421 EDLLRALRTVITD 433
DB 427 RDLNLAKSVIND 439

RESULT 15
US-09-813-918-3
; Sequence 3, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Human
US-09-813-918-3

Query Match
  41.2%; Score 1155; DB 3; Length 288;
Best Local Similarity 73.6%; Pred. No. 1.7e-116;
Matches 212; Conservative 30; Mismatches 46; Indels 0; Gaps 0;

QY 240 RPTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGE 299
DB 1 RPTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMEERFVQSSGE 60

QY 300 DGIWVFSLSLFPONVTEKANIISALAQIPQKVLWRYGKPKSTLGANTRLYDWIPOND 359
DB 61 NGVWVFSLSGSIISNMTAERANVIATALAKIPQKVLWRFDPGKNKPDALGLNTRLYKWIIPOND 120

QY 360 LLGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFGDOLDNIAHMKAKGAAVEINFKTMT 419
DB 121 LGHPKTKAFITHGGMNGIYEAIVHGVPMVGPVIFPDQPDNIAHMKAKGAAVEINFKTMTS 180

QY 420 SEDLLRALRTVITDSSYKENAMELSRIHHDQPKPLDRAVFWFIEFVNRHKGAKHLSAAH 479
DB 181 STDLLNALXTVINDPLYKENIMKLSRIHQDQPKPLDRAVFWFIEFVNRHKGAKHLSAAH 240

QY 480 DLTWFOHYSIDVIGFLLTCVATFAIFLTKCFPSCKFNKTRKIEKRE 527
DB 241 DLTWFOHYSIDVIGFLLTCVATFAIFLTKCFPSCKFNKTRKIEKRE 288
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Search completed: April 5, 2005, 06:53:22  
Job time : 30 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 5, 2005, 05:58:27 ; Search time 397 Seconds  
(without alignments)  
440.175 Million cell updates/sec

Title: US-09-784-340-2

Perfect score: 2802

Sequence: 1 MRSDKSALVFLLLQLFCVGC.....KCFLFSCQKFNKTRKIEKRE 527

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1413372 seqs, 331592847 residues

Total number of hits satisfying chosen parameters: 1413372

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	2802	100.0	527	9	US-09-981-353-166
2	2802	100.0	527	13	US-10-052-586-522
3	2802	100.0	527	14	US-10-174-590-522
4	2802	100.0	527	14	US-10-176-758-522
5	2802	100.0	527	14	US-10-175-737-522
6	2802	100.0	527	14	US-10-174-581-522
7	2802	100.0	527	14	US-10-176-483-522
8	2802	100.0	527	14	US-10-176-749-522
9	2802	100.0	527	14	US-10-176-914-522
10	2802	100.0	527	14	US-10-176-915-522
11	2802	100.0	527	14	US-10-173-706-522
12	2802	100.0	527	14	US-10-175-738-522
13	2802	100.0	527	14	US-10-175-752-522

14	2802	100.0	527	14	US-10-176-482-522	Sequence 522, App
15	2802	100.0	527	14	US-10-176-757-522	Sequence 522, App
16	2802	100.0	527	14	US-10-176-913-522	Sequence 522, App
17	2802	100.0	527	14	US-10-180-552-522	Sequence 522, App
18	2802	100.0	527	14	US-10-180-557-522	Sequence 522, App
19	2802	100.0	527	14	US-10-173-700-522	Sequence 522, App
20	2802	100.0	527	14	US-10-174-572-522	Sequence 522, App
21	2802	100.0	527	14	US-10-174-579-522	Sequence 522, App
22	2802	100.0	527	14	US-10-174-582-522	Sequence 522, App
23	2802	100.0	527	14	US-10-174-588-522	Sequence 522, App
24	2802	100.0	527	14	US-10-175-739-522	Sequence 522, App
25	2802	100.0	527	14	US-10-175-740-522	Sequence 522, App
26	2802	100.0	527	14	US-10-175-743-522	Sequence 522, App
27	2802	100.0	527	14	US-10-176-488-522	Sequence 522, App
28	2802	100.0	527	14	US-10-176-492-522	Sequence 522, App
29	2802	100.0	527	14	US-10-176-747-522	Sequence 522, App
30	2802	100.0	527	14	US-10-176-750-522	Sequence 522, App
31	2802	100.0	527	14	US-10-176-985-522	Sequence 522, App
32	2802	100.0	527	14	US-10-176-987-522	Sequence 522, App
33	2802	100.0	527	14	US-10-176-992-522	Sequence 522, App
34	2802	100.0	527	14	US-10-176-993-522	Sequence 522, App
35	2802	100.0	527	14	US-10-184-658-522	Sequence 522, App
36	2802	100.0	527	14	US-10-176-991-522	Sequence 522, App
37	2802	100.0	527	14	US-10-173-695-522	Sequence 522, App
38	2802	100.0	527	14	US-10-173-697-522	Sequence 522, App
39	2802	100.0	527	14	US-10-173-705-522	Sequence 522, App
40	2802	100.0	527	14	US-10-174-576-522	Sequence 522, App
41	2802	100.0	527	14	US-10-174-585-522	Sequence 522, App
42	2802	100.0	527	14	US-10-174-586-522	Sequence 522, App
43	2802	100.0	527	14	US-10-175-747-522	Sequence 522, App
44	2802	100.0	527	14	US-10-176-481-522	Sequence 522, App
45	2802	100.0	527	14	US-10-176-485-522	Sequence 522, App

#### ALIGNMENTS

#### RESULT 1

US-09-981-353-166  
; Sequence 166, Application US/09981353  
; Patent No. US20020160382A1  
; GENERAL INFORMATION:  
; APPLICANT: Laeak, Amy W.  
; APPLICANT: Jones, David A.  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0038 US  
; CURRENT APPLICATION NUMBER: US/09/981,353  
; CURRENT FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program  
; SEQ ID NO 166  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CD1  
US-09-981-353-166

Query Match 100.0%; Score 2802; DB 9; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MRSDKSALVFLLLQLFCVGC	1	MRSDKSALVFLLLQLFCVGC	0	Indels	0	Gaps	0
Db	1	MRSDKSALVFLLLQLFCVGC	1	MRSDKSALVFLLLQLFCVGC	0	Indels	0	Gaps	0
Qy	61	PSLIDVRKPSALKEFVVMQDRTEENEI	61	PSLIDVRKPSALKEFVVMQDRTEENEI	0	Indels	0	Gaps	0
Db	61	PSLIDVRKPSALKEFVVMQDRTEENEI	61	PSLIDVRKPSALKEFVVMQDRTEENEI	0	Indels	0	Gaps	0
Qy	121	LKMWCSFYIQTLMKKLOETNYDVMLIDP	121	LKMWCSFYIQTLMKKLOETNYDVMLIDP	0	Indels	0	Gaps	0
Db	121	LKMWCSFYIQTLMKKLOETNYDVMLIDP	121	LKMWCSFYIQTLMKKLOETNYDVMLIDP	0	Indels	0	Gaps	0

Db 121 LKMCESFYINOTLKKLOETNYDVMLIDVPICGDLMAELLAVPVLTLRISVGNMER 180  
Qy 181 SCGKLPAPISYVPVMTGTLTDRMTFLERVKNMSLVLFHFWIQDDYDHFWEFYSKALGR 240  
Db 181 SCGKLPAPISYVPVMTGTLTDRMTFLERVKNMSLVLFHFWIQDDYDHFWEFYSKALGR 240  
Qy 241 PTLTCTGVGAETIWLRTYDDEFFPOYPQNFPEFVGGHLCKPAKALPKEMENFVSSGED 300  
Db 241 PTLTCTGVGAETIWLRTYDDEFFPOYPQNFPEFVGGHLCKPAKALPKEMENFVSSGED 300  
Qy 301 GIVVSLGSLFQNVTEBEKANIISALAAQIPQVLMRYKKGKPSSTLCANTRLYDWPQNDL 360  
Db 301 GIVVSLGSLFQNVTEBEKANIISALAAQIPQVLMRYKKGKPSSTLCANTRLYDWPQNDL 360  
Qy 361 LGHPKTKATITGGMNGIYEALYHGVPMVGVPIFGDQDNLIAHMKAGAAVINKTKMTS 420  
Db 361 LGHPKTKATITGGMNGIYEALYHGVPMVGVPIFGDQDNLIAHMKAGAAVINKTKMTS 420  
Qy 421 EDLLRALRTVITDSSYKENAMRLSRIHHDPQVKPLDRAVFWIEFVNRHKGAHLRSAHD 480  
Db 421 EDLLRALRTVITDSSYKENAMRLSRIHHDPQVKPLDRAVFWIEFVNRHKGAHLRSAHD 480  
Qy 481 LTWFQHSIDVTGFLTLCTVATAIFLTKCFLFSCQKFNKTRKIEKRE 527  
Db 481 LTWFQHSIDVTGFLTLCTVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 2  
US-10-052-586-522  
; Sequence 522, Application US/10052586  
; Publication No. US20020127584A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C1  
; CURRENT APPLICATION NUMBER: US/10/052,586  
; CURRENT FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
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; PRIOR APPLICATION NUMBER: 60/063734  
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; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066120  
; PRIOR FILING DATE: 1997-11-21  
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; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069425  
; PRIOR FILING DATE: 1997-12-12  
; PRIOR APPLICATION NUMBER: 60/069870  
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; PRIOR APPLICATION NUMBER: 60/068017  
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; PRIOR APPLICATION NUMBER: 60/084639  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084640  
; PRIOR FILING DATE: 1998-05-07

1 PRIOR APPLICATION NUMBER: 60/084643  
2 PRIOR FILING DATE: 1998-05-07  
3 PRIOR APPLICATION NUMBER: 60/085573  
4 PRIOR FILING DATE: 1998-05-15  
5 PRIOR APPLICATION NUMBER: 60/085579  
6 PRIOR FILING DATE: 1998-05-15  
7 PRIOR APPLICATION NUMBER: 60/085580  
8 PRIOR FILING DATE: 1998-05-15  
9 PRIOR APPLICATION NUMBER: 60/085582  
10 PRIOR FILING DATE: 1998-05-15  
11 PRIOR APPLICATION NUMBER: 60/085700  
12 PRIOR FILING DATE: 1998-05-15  
13 PRIOR APPLICATION NUMBER: 60/086023  
14 PRIOR FILING DATE: 1998-05-18  
15 PRIOR APPLICATION NUMBER: 60/086392  
16 PRIOR FILING DATE: 1998-05-22  
17 PRIOR APPLICATION NUMBER: 60/086486  
18 PRIOR FILING DATE: 1998-05-22  
19 PRIOR APPLICATION NUMBER: 60/087098  
20 PRIOR FILING DATE: 1998-05-28  
21 PRIOR APPLICATION NUMBER: 60/087208  
22 PRIOR FILING DATE: 1998-05-28  
23 PRIOR APPLICATION NUMBER: 60/087609  
24 PRIOR FILING DATE: 1998-06-02  
25 PRIOR APPLICATION NUMBER: 60/087759  
26 PRIOR FILING DATE: 1998-06-02  
27 PRIOR APPLICATION NUMBER: 60/087827  
28 PRIOR FILING DATE: 1998-06-03  
29 PRIOR APPLICATION NUMBER: 60/088025  
30 PRIOR FILING DATE: 1998-06-04  
31 PRIOR APPLICATION NUMBER: 60/088028  
32 PRIOR FILING DATE: 1998-06-04  
33 PRIOR APPLICATION NUMBER: 60/088029  
34 PRIOR FILING DATE: 1998-06-04  
35 PRIOR APPLICATION NUMBER: 60/088033  
36 PRIOR FILING DATE: 1998-06-04  
37 PRIOR APPLICATION NUMBER: 60/088167  
38 PRIOR FILING DATE: 1998-06-05  
39 PRIOR APPLICATION NUMBER: 60/088202  
40 PRIOR FILING DATE: 1998-06-05  
41 PRIOR APPLICATION NUMBER: 60/088212  
42 PRIOR FILING DATE: 1998-06-05  
43 PRIOR APPLICATION NUMBER: 60/088217  
44 PRIOR FILING DATE: 1998-06-05  
45 PRIOR APPLICATION NUMBER: 60/088326  
46 PRIOR FILING DATE: 1998-06-04  
47 PRIOR APPLICATION NUMBER: 60/088655  
48 PRIOR FILING DATE: 1998-06-09  
49 PRIOR APPLICATION NUMBER: 60/088722  
50 PRIOR FILING DATE: 1998-06-10  
51 PRIOR APPLICATION NUMBER: 60/088738  
52 PRIOR FILING DATE: 1998-06-10  
53 PRIOR APPLICATION NUMBER: 60/088740  
54 PRIOR FILING DATE: 1998-06-10  
55 PRIOR APPLICATION NUMBER: 60/088811  
56 PRIOR FILING DATE: 1998-06-10  
57 PRIOR APPLICATION NUMBER: 60/088824  
58 PRIOR FILING DATE: 1998-06-10  
59 PRIOR APPLICATION NUMBER: 60/088825  
60 PRIOR FILING DATE: 1998-06-10  
61 PRIOR APPLICATION NUMBER: 60/088826  
62 PRIOR FILING DATE: 1998-06-10  
63 PRIOR APPLICATION NUMBER: 60/088861  
64 PRIOR FILING DATE: 1998-06-11  
65 PRIOR APPLICATION NUMBER: 60/088863  
66 PRIOR FILING DATE: 1998-06-11  
67 PRIOR APPLICATION NUMBER: 60/088876  
68 PRIOR FILING DATE: 1998-06-11  
69 PRIOR APPLICATION NUMBER: 60/089090  
70 PRIOR FILING DATE: 1998-06-12  
71 PRIOR APPLICATION NUMBER: 60/089105  
72 PRIOR FILING DATE: 1998-06-12  
73 PRIOR APPLICATION NUMBER: 60/089512

1 PRIOR FILING DATE: 1998-06-16  
2 PRIOR APPLICATION NUMBER: 60/089514  
3 PRIOR FILING DATE: 1998-06-16  
4 PRIOR APPLICATION NUMBER: 60/089538  
5 PRIOR FILING DATE: 1998-06-17  
6 PRIOR APPLICATION NUMBER: 60/089598  
7 PRIOR FILING DATE: 1998-06-17  
8 PRIOR APPLICATION NUMBER: 60/089653  
9 PRIOR FILING DATE: 1998-06-17  
10 PRIOR APPLICATION NUMBER: 60/089908  
  
Query Match 100.0%; Score 2802; DB 13; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHVLNVKVLLEELVIRGHEVTLVTHSK 60  
Db 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHVLNVKVLLEELVIRGHEVTLVTHSK 60  
  
Qy 61 PSLIDYRKPSALKFEVVMHPQDRTEENEI FVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120  
Db 61 PSLIDYRKPSALKFEVVMHPQDRTEENEI FVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120  
  
Qy 121 LKWCESFIYNQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180  
Db 121 LKWCESFIYNQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180  
  
Qy 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNLSVLHFHWIODYDYHFWEFFYSKALGR 240  
Db 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNLSVLHFHWIODYDYHFWEFFYSKALGR 240  
  
Qy 241 PTLTCEVTKAEIWLIRTYWDFPFPQYPNFEFVGLGHCCKPAKALPKEMENFVQSSGED 300  
Db 241 PTLTCEVTKAEIWLIRTYWDFPFPQYPNFEFVGLGHCCKPAKALPKEMENFVQSSGED 300  
  
Qy 301 GIVVFSLSGLFQNVTEBKANIISALAAQIPQKVLWRVYKGGKPPSTLGANTRLYDMIPQNDL 360  
Db 301 GIVVFSLSGLFQNVTEBKANIISALAAQIPQKVLWRVYKGGKPPSTLGANTRLYDMIPQNDL 360  
  
Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGDOLDNIAHMKAGAAVEINFKMTWS 420  
Db 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGDOLDNIAHMKAGAAVEINFKMTWS 420  
  
Qy 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
Db 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
  
Qy 481 LTWFQHSIDVIGFLTLCVATAIFLFTKCFLFCQKFNKTRKIEKRE 527  
Db 481 LTWFQHSIDVIGFLTLCVATAIFLFTKCFLFCQKFNKTRKIEKRE 527

RESULT 3  
US-10-174-590-522  
Sequence 522, Application US/10174590  
Publication No. US20030008352A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: F3430R1C42  
CURRENT APPLICATION NUMBER: US/10/174,590  
CURRENT FILING DATE: 2002-06-18

; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 522  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-590-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRSKSAALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
DB 1 MRSKSAALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
QY 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
DB 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
QY 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180  
DB 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180  
QY 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240  
DB 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240  
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300  
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300  
QY 301 GIWVFSLSGLFQNVTEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360  
DB 301 GIWVFSLSGLFQNVTEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360  
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKGAAGVEINFKTMTS 420  
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKGAAGVEINFKTMTS 420  
QY 421 EDLLRALRTVITDSSYKENAMRLSIHHDQPVKPLDRAVFWIEFVNRHKGAKHLRSAHD 480  
DB 421 EDLLRALRTVITDSSYKENAMRLSIHHDQPVKPLDRAVFWIEFVNRHKGAKHLRSAHD 480  
QY 481 LTWFQHSYSDIVGFLTTCVATAIFLTKCFLSCQKFNKTRKIEKE 527  
DB 481 LTWFQHSYSDIVGFLTTCVATAIFLTKCFLSCQKFNKTRKIEKE 527

## RESULT 4

US-10-176-758-522  
; Sequence 522, Application US/10176758  
; Publication No. US200300835A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R104  
; CURRENT APPLICATION NUMBER: US/10/176,758  
; CURRENT FILING DATE: 2002-06-21  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 522

; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-758-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRSKSAALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
DB 1 MRSKSAALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
QY 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
DB 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
QY 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180  
DB 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180  
QY 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240  
DB 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240  
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300  
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300  
QY 301 GIWVFSLSGLFQNVTEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360  
DB 301 GIWVFSLSGLFQNVTEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360  
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKGAAGVEINFKTMTS 420  
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKGAAGVEINFKTMTS 420  
QY 421 EDLLRALRTVITDSSYKENAMRLSIHHDQPVKPLDRAVFWIEFVNRHKGAKHLRSAHD 480  
DB 421 EDLLRALRTVITDSSYKENAMRLSIHHDQPVKPLDRAVFWIEFVNRHKGAKHLRSAHD 480  
QY 481 LTWFQHSYSDIVGFLTTCVATAIFLTKCFLSCQKFNKTRKIEKE 527  
DB 481 LTWFQHSYSDIVGFLTTCVATAIFLTKCFLSCQKFNKTRKIEKE 527

## RESULT 5

US-10-175-737-522  
; Sequence 522, Application US/10175737  
; Publication No. US20030013153A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C50  
; CURRENT APPLICATION NUMBER: US/10/175,737  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 522  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo Sapien

US-10-175-737-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSDKSLVFLLLQLFCVGGCGCKVLVWPCDMSHNLNVKVLBELIVRGHEVTLVTHSK 60  
Db 1 MRSDKSLVFLLLQLFCVGGCGCKVLVWPCDMSHNLNVKVLBELIVRGHEVTLVTHSK 60  
Qy 61 PSLLIDYKPSALKPEVVMQDRTEENEIFVDIALNLVPLSTWQSVIKLNDPVEIRGT 120  
Db 61 PSLLIDYKPSALKPEVVMQDRTEENEIFVDIALNLVPLSTWQSVIKLNDPVEIRGT 120  
Qy 121 LKWCESFIYNTLMKKLQETNYDVMILIDPVPICGDLMAELLAVPFLTLRISVGGNMR 180  
Db 121 LKWCESFIYNTLMKKLQETNYDVMILIDPVPICGDLMAELLAVPFLTLRISVGGNMR 180  
Qy 181 SCGKLPAPLSVVPMTGLTDRMTFLERVKNMSLVLFHWIQDYHFWEEFYSKALGR 240  
Db 181 SCGKLPAPLSVVPMTGLTDRMTFLERVKNMSLVLFHWIQDYHFWEEFYSKALGR 240  
Qy 241 PTLTCEVGAKEIWLIRTYWDFRPPQYQPNFVGGHCKPAKALPKMENFVQSSGD 300  
Db 241 PTLTCEVGAKEIWLIRTYWDFRPPQYQPNFVGGHCKPAKALPKMENFVQSSGD 300  
Qy 301 GIVVFSLSGFQNVTESEKANIISALAQIPQKVLWRYGKKPSTLGANTRLYDWIPQNDL 360  
Db 301 GIVVFSLSGFQNVTESEKANIISALAQIPQKVLWRYGKKPSTLGANTRLYDWIPQNDL 360  
Qy 361 LGHPKTKAFITGGMNGIYBAIYHGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS 420  
Db 361 LGHPKTKAFITGGMNGIYBAIYHGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS 420  
Qy 421 EDLLRALRTVITDSSYKENAMLSRIHHDQVPKPLDRAVFWIEPVMHKGAKHLRSAHD 480  
Db 421 EDLLRALRTVITDSSYKENAMLSRIHHDQVPKPLDRAVFWIEPVMHKGAKHLRSAHD 480  
Qy 481 LTFWQHSIDVIGFLLCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527  
Db 481 LTFWQHSIDVIGFLLCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 6

US-10-174-581-522  
Sequence 522, Application US/10174581  
Publication No. US20030017540A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Deenovers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430R1C41  
CURRENT APPLICATION NUMBER: US/10/174, 581  
CURRENT FILING DATE: 2002-06-18  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063564  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063734  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063870  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/065311  
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PRIOR APPLICATION NUMBER: 60/066120  
PRIOR FILING DATE: 1997-11-21  
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PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069335  
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PRIOR APPLICATION NUMBER: 60/069425  
PRIOR FILING DATE: 1997-12-12  
PRIOR APPLICATION NUMBER: 60/069870  
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PRIOR APPLICATION NUMBER: 60/068017  
PRIOR FILING DATE: 1997-12-18  
PRIOR APPLICATION NUMBER: 60/077450  
PRIOR FILING DATE: 1998-03-10  
PRIOR APPLICATION NUMBER: 60/077632  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/077649  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/078886  
PRIOR FILING DATE: 1998-03-20  
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PRIOR APPLICATION NUMBER: 60/079786  
PRIOR FILING DATE: 1998-03-27  
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PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082568  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082569  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082704  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/082797  
PRIOR FILING DATE: 1998-04-22

;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
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;; PRIOR APPLICATION NUMBER: 60/083499  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083559  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/084366  
;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084639  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084643  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
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;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
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;; PRIOR APPLICATION NUMBER: 60/088811

;; PRIOR FILING DATE: 1998-06-10  
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;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSKSAVFLLLQLFCVCGCGKVLVWPCDMSHLNVKIVLEELIVRGHEVTLTHSK 60  
DB 1 MRSKSAVFLLLQLFCVCGCGKVLVWPCDMSHLNVKIVLEELIVRGHEVTLTHSK 60  
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVKLNDFVFEIRGT 120  
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVKLNDFVFEIRGT 120  
QY 121 LKMMCESFYNQTLMKKLOETNYDVMLIDPVIPOCDLMAELLAVPFVLTLSVGGNMR 180  
DB 121 LKMMCESFYNQTLMKKLOETNYDVMLIDPVIPOCDLMAELLAVPFVLTLSVGGNMR 180  
QY 181 SCGLPAPLSYVPVPMTCGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFHWFEEFYKALGR 240  
DB 181 SCGLPAPLSYVPVPMTCGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFHWFEEFYKALGR 240  
QY 241 PTLTCTVKGAEIWLIRTYWDFEPFPQYPNPFEFVGGHLCKPAKALPKEMENFVQSSGED 300  
DB 241 PTLTCTVKGAEIWLIRTYWDFEPFPQYPNPFEFVGGHLCKPAKALPKEMENFVQSSGED 300  
QY 301 GIVVFSLSLGFQNTVEEKANIIASALAOIPQKVLWRYGKPKSTLGANTRLYDWTIPQNDL 360  
DB 301 GIVVFSLSLGFQNTVEEKANIIASALAOIPQKVLWRYGKPKSTLGANTRLYDWTIPQNDL 360  
QY 361 LGHPKTKAFITHGGNGIYEAIYHGVPMVGPVIFGQDLNIAHMKAKGAAGVEINKTMTS 420  
DB 361 LGHPKTKAFITHGGNGIYEAIYHGVPMVGPVIFGQDLNIAHMKAKGAAGVEINKTMTS 420  
QY 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLASAHD 480  
DB 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLASAHD 480  
QY 481 LTWFQHSIDVIGFLITCVATAIFLFTKCFIFSCQKFNKTRKIEKE 527  
DB 481 LTWFQHSIDVIGFLITCVATAIFLFTKCFIFSCQKFNKTRKIEKE 527

RESULT 7  
US-10-176-483-522  
; Sequence 522, Application US/10176483  
; Publication No. US20030017541A1  
; GENERAL INFORMATION:



```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-483-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSKSAVFLLLQLFCVCGCGCGKVLVWPCDMSHNLNVKVLBELIVRGHEVTVLTHSK 60
Db 1 MRSKSAVFLLLQLFCVCGCGCGKVLVWPCDMSHNLNVKVLBELIVRGHEVTVLTHSK 60
Qy 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Qy 121 LKMWCSFIYNQTLMKKLOETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180
Db 121 LKMWCSFIYNQTLMKKLOETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180
Qy 181 SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
Db 181 SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
Qy 241 PTLTCEVTKAEIWLIRTYWDFFPPQYPQNFEPVGGHCKPAKALPKEMENFVQSSGED 300
Db 241 PTLTCEVTKAEIWLIRTYWDFFPPQYPQNFEPVGGHCKPAKALPKEMENFVQSSGED 300
Qy 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLGTANTRYDWPQNDL 360
Db 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLGTANTRYDWPQNDL 360
Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGVPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Db 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGVPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Qy 481 LTWFQHSYIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LTWFQHSYIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527

RESULT 8
US-10-176-749-522
; Sequence 522, Application US/10176749
; Publication No. US20030017542A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
```

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C76
; CURRENT APPLICATION NUMBER: US/10/176,749
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-749-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSKSAVFLLLQLFCVCGCGCGKVLVWPCDMSHNLNVKVLBELIVRGHEVTVLTHSK 60
Db 1 MRSKSAVFLLLQLFCVCGCGCGKVLVWPCDMSHNLNVKVLBELIVRGHEVTVLTHSK 60
Qy 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Qy 121 LKMWCSFIYNQTLMKKLOETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180
Db 121 LKMWCSFIYNQTLMKKLOETNYDVMLIDPVI PCGDLMAELLAVPFLVTLRISVGGNMR 180
Qy 181 SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
Db 181 SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240
Qy 241 PTLTCEVTKAEIWLIRTYWDFFPPQYPQNFEPVGGHCKPAKALPKEMENFVQSSGED 300
Db 241 PTLTCEVTKAEIWLIRTYWDFFPPQYPQNFEPVGGHCKPAKALPKEMENFVQSSGED 300
Qy 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLGTANTRYDWPQNDL 360
Db 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSLGTANTRYDWPQNDL 360
Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGVPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Db 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGVPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Qy 481 LTWFQHSYIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LTWFQHSYIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527

RESULT 9
US-10-176-914-522
; Sequence 522, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```

APPLICANT: Pan,James  
APPLICANT: Smith,Victoria  
APPLICANT: Watanabe,Colin K.  
APPLICANT: Wood,William I.  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C83  
CURRENT FILING DATE: 2002-06-21  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 522  
LENGTH: 527  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-176-914-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
DB 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVEIRGT 120  
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVEIRGT 120  
QY 121 LKMWCEFIYNTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGNMER 180  
DB 121 LKMWCEFIYNTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGNMER 180  
QY 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240  
DB 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240  
QY 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNFEPVGGGLHCKPAKALPKEMENFVQSSGD 300  
DB 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNFEPVGGGLHCKPAKALPKEMENFVQSSGD 300  
QY 301 GIWVFSLSGLFQNTVEEKANIIASALAQIPQKVLWRYGKPKSTLGANTRLYDWPNDL 360  
DB 301 GIWVFSLSGLFQNTVEEKANIIASALAQIPQKVLWRYGKPKSTLGANTRLYDWPNDL 360  
QY 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDLQDNI AHMKAAGAAVEINFKTWTS 420  
DB 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDLQDNI AHMKAAGAAVEINFKTWTS 420  
QY 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480  
DB 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480  
QY 481 LTFWQHYSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527  
DB 481 LTFWQHYSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 10  
US-10-176-914-522  
Sequence 522, Application US/10176915  
Publication No. US20030017544A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

APPLICANT: Wood,William I.  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C110  
CURRENT FILING DATE: 2002-06-21  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 522  
LENGTH: 527  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-176-915-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
DB 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60  
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVEIRGT 120  
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVEIRGT 120  
QY 121 LKMWCEFIYNTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGNMER 180  
DB 121 LKMWCEFIYNTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGNMER 180  
QY 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240  
DB 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR 240  
QY 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNFEPVGGGLHCKPAKALPKEMENFVQSSGD 300  
DB 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNFEPVGGGLHCKPAKALPKEMENFVQSSGD 300  
QY 301 GIWVFSLSGLFQNTVEEKANIIASALAQIPQKVLWRYGKPKSTLGANTRLYDWPNDL 360  
DB 301 GIWVFSLSGLFQNTVEEKANIIASALAQIPQKVLWRYGKPKSTLGANTRLYDWPNDL 360  
QY 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDLQDNI AHMKAAGAAVEINFKTWTS 420  
DB 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDLQDNI AHMKAAGAAVEINFKTWTS 420  
QY 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480  
DB 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480  
QY 481 LTFWQHYSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527  
DB 481 LTFWQHYSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 11  
US-10-173-706-522  
Sequence 522, Application US/10173706  
Publication No. US2003002293A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C7  
; CURRENT APPLICATION NUMBER: US/10/173,706  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 522  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-706-522

Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHNLNVKVLBELVIRGHEVTVLTHSK 60  
Db 1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHNLNVKVLBELVIRGHEVTVLTHSK 60  
Qy 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
Db 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
Qy 121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFLVTLRISVGGNNR 180  
Db 121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFLVTLRISVGGNNR 180  
Qy 181 SCGLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALGR 240  
Db 181 SCGLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALGR 240  
Qy 241 PTLICETVGKAEIWLIRTYWDFEPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGD 300  
Db 241 PTLICETVGKAEIWLIRTYWDFEPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGD 300  
Qy 301 GIVVFSLSGFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPNDL 360  
Db 301 GIVVFSLSGFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPNDL 360  
Qy 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420  
Db 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420  
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
Qy 481 LTWFQHSYDIDVIGFLTTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527  
Db 481 LTWFQHSYDIDVIGFLTTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527

RESULT 12  
US-10-175-738-522  
; Sequence 522, Application US/10175738  
; Publication No. US20030022294A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Deanoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C45  
; CURRENT APPLICATION NUMBER: US/10/175,738

; CURRENT FILING DATE: 2002-06-19  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 522  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-738-522  
Query Match 100.0%; Score 2802; DB 14; Length 527;  
Best Local Similarity 100.0%; Pred. No. 1.2e-272;  
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHNLNVKVLBELVIRGHEVTVLTHSK 60  
Db 1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHNLNVKVLBELVIRGHEVTVLTHSK 60  
Qy 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
Db 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSVQSVIKLNDFFVEIRGT 120  
Qy 121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFLVTLRISVGGNNR 180  
Db 121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFLVTLRISVGGNNR 180  
Qy 181 SCGLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALGR 240  
Db 181 SCGLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDHFWEFYSKALGR 240  
Qy 241 PTLICETVGKAEIWLIRTYWDFEPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGD 300  
Db 241 PTLICETVGKAEIWLIRTYWDFEPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGD 300  
Qy 301 GIVVFSLSGFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPNDL 360  
Db 301 GIVVFSLSGFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPNDL 360  
Qy 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420  
Db 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420  
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVPLDRAVFWIEFVMRHKGAKHLRSAHD 480  
Qy 481 LTWFQHSYDIDVIGFLTTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527  
Db 481 LTWFQHSYDIDVIGFLTTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527

RESULT 13  
US-10-175-752-522  
; Sequence 522, Application US/10175752  
; Publication No. US20030022295A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Deanoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C60  
; CURRENT APPLICATION NUMBER: US/10/175,752  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

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; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-175-752-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
DB 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGKLPAPLSYVPVPMPTGLTDRMTFLERVKNLSVLPHFWIQDYDHFWEBSFYKALGR 240
DB 181 SCGKLPAPLSYVPVPMPTGLTDRMTFLERVKNLSVLPHFWIQDYDHFWEBSFYKALGR 240
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
QY 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527
DB 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527

RESULT 14
US-10-176-482-522
; Sequence 522, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; PRIORITY FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-176-482-522

; ORGANISM: Homo Sapien
; US-10-176-482-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
DB 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
QY 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
DB 61 PSLIDYRKPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSWQSVIKLNDFFVEIRGT 120
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGKLPAPLSYVPVPMPTGLTDRMTFLERVKNLSVLPHFWIQDYDHFWEBSFYKALGR 240
DB 181 SCGKLPAPLSYVPVPMPTGLTDRMTFLERVKNLSVLPHFWIQDYDHFWEBSFYKALGR 240
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNPEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVPSLGSFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMVGVPIFGDQLDNIAHMKAKGAAVEINFKTMTS 420
QY 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527
DB 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527

RESULT 15
US-10-176-522-522
; Sequence 522, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; PRIORITY FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-176-522-522
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Query Match		100.0%;	Score 2802;	DB 14;	Length 527;
Best Local Similarity		100.0%;	Pred. No. 1.12e-272;		
Matches 527;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MRSKSAVFLLLQLFCVCGCGCKVLVWPCDMSHMLNVKVI	LEELIVRGHEVTLTHSK	60	
Db	1	MRSKSAVFLLLQLFCVCGCGCKVLVWPCDMSHMLNVKVI	LEELIVRGHEVTLTHSK	60	
Qy	61	PSLIDYRKPSALKEFVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT	120		
Db	61	PSLIDYRKPSALKEFVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT	120		
Qy	121	LKMCEFSFYNQTLMKKLQETNYDMLIDPVI	PCGDLMAELLAVPFVLTLRISVGGNMR	180	
Db	121	LKMCEFSFYNQTLMKKLQETNYDMLIDPVI	PCGDLMAELLAVPFVLTLRISVGGNMR	180	
Qy	181	SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR	240		
Db	181	SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR	240		
Qy	241	PTTLCETVKGAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGED	300		
Db	241	PTTLCETVKGAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGED	300		
Qy	301	GIVVFSLSGLFQNVTEEKANIIASALAQIPQVLWRYKGPSTLGANTRLYDWIPQNDL	360		
Db	301	GIVVFSLSGLFQNVTEEKANIIASALAQIPQVLWRYKGPSTLGANTRLYDWIPQNDL	360		
Qy	361	LGHPTKAFITHGGMNGIYEAHYGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS	420		
Db	361	LGHPTKAFITHGGMNGIYEAHYGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS	420		
Qy	421	EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAHD	480		
Db	421	EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAHD	480		
Qy	481	LTFQHYSIDVIGFLLTCVATAIFLTKCFLFSCQKFNKTRKIEKRE	527		
Db	481	LTFQHYSIDVIGFLLTCVATAIFLTKCFLFSCQKFNKTRKIEKRE	527		

Search completed: April 5, 2005, 07:24:53  
Job time : 400 secs



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 87.5309 Seconds  
(without alignments)  
9346.853 Million cell updates/sec

Title: US-09-784-340-3\_COPY\_1\_500

Perfect score: 500

Sequence: 1 ttctagagggttggaacaac.....gaatgtcttgcagggttat 500

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:\*

- 1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	392.6	78.5	1001	4	US-09-671-317-388
C 2	392.2	78.4	1001	4	US-09-671-317-389
C 3	333	66.6	2966	4	US-09-976-594-241
C 4	322.4	64.5	1001	4	US-09-671-317-390
C 5	145.8	29.2	1001	4	US-09-671-317-391
C 6	88	17.6	1323	4	US-09-356-806-1
C 7	88	17.6	19732	4	US-09-949-016-12870
C 8	88	17.6	19732	4	US-09-949-016-14923
C 9	88	17.6	19733	4	US-09-949-016-14336
C 10	84.2	16.8	1001	4	US-09-671-317-412
C 11	84.2	16.8	1323	4	US-09-949-016-2735
C 12	84.2	16.8	1323	4	US-09-949-016-2736
C 13	84.2	16.8	1976	4	US-09-356-806-112
C 14	84.2	16.8	2312	4	US-09-356-806-114
C 15	84.2	16.8	20599	4	US-09-949-016-14477
C 16	84.2	16.8	20599	4	US-09-949-016-14478
C 17	81.8	16.4	2092	4	US-09-356-806-7
C 18	81.8	16.4	2092	4	US-09-949-016-2594
C 19	81.8	16.4	2092	4	US-09-949-016-3181
C 20	81.8	16.4	2093	4	US-09-949-016-1128
C 21	79.6	15.9	2107	3	US-09-180-852-1
C 22	79	15.8	1686	4	US-09-356-806-41
C 23	79	15.8	1832	4	US-09-949-016-2734
C 24	79	15.8	1854	4	US-09-356-806-39
C 25	79	15.8	20441	4	US-09-949-016-14476
C 26	75.4	15.1	1413	3	US-09-813-918-1
C 27	75.4	15.1	1413	4	US-10-060-311-1

Sequence 403, App  
Sequence 2596, Ap  
Sequence 2595, Ap  
Sequence 14338, A  
Sequence 14337, A  
Sequence 428, App  
Sequence 133, App  
Sequence 13978, A  
Sequence 7, Appli  
Sequence 313, App  
Sequence 10, Appli  
Sequence 9, Appli  
Sequence 8, Appli  
Sequence 3542, Ap  
Sequence 3, Appli  
Sequence 345, App  
Sequence 2813, Ap  
Sequence 16090, A

69.2 13.8 1001 4 US-09-671-317-403  
28 69 13.8 1629 4 US-09-949-016-2596  
29 69 13.8 1708 4 US-09-949-016-2595  
30 69 13.8 18373 4 US-09-949-016-14338  
31 69 13.8 18452 4 US-09-949-016-14337  
32 69 13.8 18452 4 US-09-671-317-428  
33 64.6 12.9 1001 4 US-08-467-023-133  
34 43.2 8.6 1726 3 US-09-949-016-13978  
35 40.6 8.1 236341 4 US-09-305-8568-7  
36 40 8.0 867 4 US-09-671-317-313  
37 40 8.0 1001 4 PCT-US92-00282-10  
38 40 8.0 1008 5 US-09-305-8568-9  
39 37.2 7.4 861 4 PCT-US92-00282-8  
40 37.2 7.4 1219 5 US-09-543-681A-3542  
41 36.8 7.4 1953 4 US-09-305-8568-3  
42 36.4 7.3 867 4 US-09-671-317-345  
43 36.4 7.3 1001 4 US-09-621-976-2813  
44 35.6 7.1 832 4 US-09-949-016-16090  
45 35.2 7.0 75480 4

#### ALIGNMENTS

#### RESULT 1

US-09-671-317-388/c  
; Sequence 388, Application US/09671317  
; Patent No. 6528260  
; GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62 US3 CIP  
; CURRENT APPLICATION NUMBER: US/09/671.317  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536.178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/126.269  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/131.961  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 977  
; SOFTWARE: Patent.pm  
; SEQ ID NO 388  
; LENGTH: 1001  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 501  
; OTHER INFORMATION: 12-906-149 : polymorphic base A or G  
; NAME/KEY: misc binding  
; LOCATION: 482..500  
; OTHER INFORMATION: 12-906-149.misl  
; NAME/KEY: misc binding  
; LOCATION: 502..521  
; OTHER INFORMATION: 12-906-149.mis2, potential complement  
; NAME/KEY: primer bind  
; LOCATION: 14477, A  
; LOCATION: 353..372  
; OTHER INFORMATION: upstream amplification primer  
; NAME/KEY: primer bind  
; LOCATION: 809..829  
; OTHER INFORMATION: downstream amplification primer, complement  
; NAME/KEY: misc binding  
; LOCATION: 489..513  
; OTHER INFORMATION: 12-906-149 potential probe  
; NAME/KEY: misc feature  
; LOCATION: 750.853..854,860,942,945  
; OTHER INFORMATION: n=a, g, c or t  
US-09-671-317-388





; PRIOR FILING DATE: 2000-10-12  
; NUMBER OF SEQ ID NOS: 1143  
; SOFTWARE: PERL Program  
; SEQ ID NO 241  
; LENGTH: 2966  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1  
US-09-976-594-241

Query Match 66.6%; Score 333; DB 4; Length 2966;  
Best Local Similarity 100.0%; Pred. No. 1.7e-93;  
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 168 GCACATCAGTGTGAGGGAACTGCCATCATGAGGTCTGCAAGTCAGCTTGGTATTTC 227  
Db 1 GCACATCAGTGTGAGGGAACTGCCATCATGAGGTCTGCAAGTCAGCTTGGTATTTC 60

Qy 228 TGCTCTGCAGCTCTTCTGTGTTGGCTGTGATTTCTTGGGAAAGTCTCTGTGGCCCT 287  
Db 61 TGCTCTGCAGCTCTTCTGTGTTGGCTGTGATTTCTTGGGAAAGTCTCTGTGGCCCT 120

Qy 288 GTGACATGAGCCATTGCTTAATGTCAAGTCAATCTAGAGCTCATAGTAGAGGCC 347  
Db 121 GTGACATGAGCCATTGCTTAATGTCAAGTCAATCTAGAGCTCATAGTAGAGGCC 180

Qy 348 ATGAGGTAACAGTATTGACTCACTCAAGCTTCTGTTAAATGACTACAGGAGCTTCTG 407  
Db 181 ATGAGGTAACAGTATTGACTCACTCAAGCTTCTGTTAAATGACTACAGGAGCTTCTG 240

Qy 408 CATTGAAATTTGAGTGGTTCATATGCCACAGGACAGCAAGAAATGAAATATTG 467  
Db 241 CATTGAAATTTGAGTGGTTCATATGCCACAGGACAGCAAGAAATGAAATATTG 300

Qy 468 TTGACCTAGCTCTGAATGCTTTCAGGCTTAT 500  
Db 301 TTGACCTAGCTCTGAATGCTTTCAGGCTTAT 333

## RESULT 4

US-09-671-317-390/c  
; Sequence 390, Application US/09671317  
; Patent No. 6528260  
; GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62.US3.CIP  
; CURRENT APPLICATION NUMBER: US/09/671.317  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536,178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/126,269  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/131,961  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 977  
; SOFTWARE: Patent.pm  
; SEQ ID NO 390  
; LENGTH: 1001  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 501  
; OTHER INFORMATION: 12-906-251 : polymorphic base A or T  
; NAME/KEY: misc\_binding

; LOCATION: 481..500  
; OTHER INFORMATION: 12-906-251.mis1, potential  
; NAME/KEY: misc\_binding  
; LOCATION: 502..521  
; OTHER INFORMATION: 12-906-251.mis2, potential complement  
; NAME/KEY: primer\_bind  
; LOCATION: 251..270  
; OTHER INFORMATION: upstream amplification primer  
; NAME/KEY: primer\_bind  
; LOCATION: 707..727  
; OTHER INFORMATION: downstream amplification primer, complement  
; NAME/KEY: misc\_binding  
; LOCATION: 489..513  
; OTHER INFORMATION: 12-906-251 potential probe  
; NAME/KEY: misc feature  
; LOCATION: 648,751..752,758,840,843  
; OTHER INFORMATION: n=a, g, c or t  
US-09-671-317-390

Query Match 64.5%; Score 322.4; DB 4; Length 1001;  
Best Local Similarity 87.2%; Pred. No. 2.1e-90;  
Matches 382; Conservative 0; Mismatches 41; Indels 15; Gaps 2;

Qy 2 TCTAGAGGGTTGGAACAACTTTCCCTGATACATTGCA-----TTTTTTGATAC 51  
Db 438 TCTAGAGGGTTGGAACAAATTTCCCTGATACATTGCAACATTTCCTTTTGATAT 379

Qy 52 CTTTCAGTACATGTTAAACTGGCAACACCAAGTGAAC-----TTTACTCTTAAATATTAA 106  
Db 378 CTTTCATTAATGTAAGCTGGCAACCAACCAATGAACCTTTATTACACTTAAATATTAA 319

Qy 107 TTTTAACTTCTGTGCTTATATTGTCAATTTCAACTCCTCTTAGTAACACTACAAACCAT 166  
Db 318 TTTTAACTTCTGTGCTTATATTGTCAATTTCACTCTTAGTAACACTACAAAGCTAG 259

Qy 167 TGCAGATCAGTGTGTGAGGAACTGCCATCATGAGTCTGACAAGTCAGCTTTGGTATT 226  
Db 258 TGCAGATCAGTGTGTGAGGAAATGTCAATCATGAGGCCGAGAGTCAGCTTTGGTATT 199

Qy 227 CTGCTCTGCAGCTCTTCTGTGTTGGCTGTGGAAATCTGTGGGAAAGTCTTGGTGGCCC 286  
Db 198 CGGCTCTGCACTCTTCTGTGCTAGTTGTAATCTGTGAGAAAGTCTTGGTGGCCC 139

Qy 287 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGC 346  
Db 138 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGC 79

Qy 347 CATGAGGTAACAGTATTGACTCACTCAAGCCCTTGGTAAATGACTACAGAAAGCTTCT 406  
Db 78 CATGAGGTAACAGTATTGACTCACTCAAGCTTCTTGTAAATGACTACAGAAAGCTTCT 19

Qy 407 GCATTGAAATTTGAGGTG 424  
Db 18 GCATTGAAATTTGAGGTG 1

## RESULT 5

US-09-671-317-391/c  
; Sequence 391, Application US/09671317  
; Patent No. 6528260  
; GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62.US3.CIP  
; CURRENT APPLICATION NUMBER: US/09/671.317  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536,178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24



146 GCTTAGTAACACAAACCATTCAGATCACTGTGTGAGGAACTGCCATCATCAGGTCT 205  
1984 GAGAAATGACAGAAAGGAGCAGCAACTGGAACCAAGCATTTGCATTCAGGATGTCT 2043  
206 GACAGTCAGCTTGGTATTTCTGCTCTGCTGAGCTCTCTGT---GTTGGCTGTGGATTC 262  
2044 ATGAAATGGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTTTAGCTCTGGGAGT 2103  
263 TGTGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTCGGCTTAATGTCAAAGTCAAT 322  
2104 TGTGAAAGTGTCTGGTGTGGCCACAGAAATTCAGCCACTGGATGAATATAAGACATC 2163  
323 CTAGAAGCTCATAGTGAGAGGCCATGAGTAACAGTATTGACTCACTCAAAAGCCTTCG 382  
2164 CTGGATGAATTTCTCCAGAGAGGTCATGAGGTGACTGTATTGGCATCTTCAGTTCAT 2223  
383 TTAATTGACTACAGGAGCCTTCTGCTTGAATTTGAGGTGGTCCATATCCACAGGAC 442  
2224 TCTTTCGATCCCAACAGCCCACTACTCTTAAATTTGAAGTTTATCCTGTATCTTTAACT 2283  
443 AGAAGAGGAAATGAAATATTTGTTGACCTAGCTCTGA 482  
2284 AAACTGAGTTGAGGATATTATCAAGCAGCTGGTTAAGA 2323

## RESULT 8

US-09-949-016-14923

; Sequence 14923, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 14923

; LENGTH: 19732

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-14923

Query Match 17.6%; Score 88; DB 4; Length 19732;  
Best Local Similarity 53.0%; Pred. No. 1.5e-16;  
Matches 212; Conservative 0; Mismatches 185; Indels 3; Gaps 1;  
86 ACTTACTCTTAAATATTTAACTTCTGCTTATTTGCTTATTTGCTTCACTTCACTCTT 145  
1924 ACTTTGAAGTGAAGAGTTACATTTTAACTTCTTGAAGTATTTATCTGGATGTCACCAT 1983  
146 GCTTAGTAACACAAACCATTCAGATCACTGTGTGAGGAACTGCCATCATCAGGTCT 205  
1984 GAGAAATGACAGAAAGGAGCAGCAACTGGAACCAAGCATTTGCATTCAGGATGTCT 2043  
206 GACAAGTCAGCTTTGGTATTTCTGCTCTCAGCTCTTCTGT---GTTGGCTGTGGATTC 262  
2044 ATGAAATGGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTTTAGCTCTGGAGT 2103  
263 TGTGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTCGGCTTAATGTCAAGGTCAAT 322  
2104 TGTGAAAGTGTGGTGTGGCCACAGAAATTCAGCCACTGGATGAATATAAGACATC 2163  
323 CTAGAAGCTCATAGTGAGAGGCCATGAGTAACAGTATTGACTCACTCAAAAGCCTTCG 382

2164 CTGGATGAACCTTGTCCAGAGAGGTCATGAGGTGACTGTATTGGCATCTTCAGCTTCCATT 2223  
383 TTAATTGACTACAGAAAGCCTTCTGCAATTTGAGGTGGTCCATATGCCACAGGAC 442  
2224 TCTTTCGATCCCAACAGCCCACTACTCTTAAATTTGAAGTTTATCCTGTATCTTTAACT 2283  
443 AGAAGAGGAAATGAAATATTTGTTGACCTAGCTCTGA 482  
2284 AAACTGAGTTGAGGATATTATCAAGCAGCTGGTTAAGA 2323

## RESULT 9

US-09-949-016-14336

; Sequence 14336, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 14336

; LENGTH: 19733

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-14336

Query Match 17.6%; Score 88; DB 4; Length 19733;  
Best Local Similarity 53.0%; Pred. No. 1.5e-16;  
Matches 212; Conservative 0; Mismatches 185; Indels 3; Gaps 1;  
86 ACTTACTCTTAAATATTTAACTTCTGCTTATTTGCTTATTTGCTTCACTTCACTCTT 145  
1924 ACTTTGAAGTGAAGAGTTACATTTTAACTTCTTGAAGTATTTATCTGGATGTCACCAT 1983  
146 GCTTAGTAACACAAACCATTCAGATCACTGTGTGAGGAACTGCCATCATCAGGTCT 205  
1984 GAGAAATGACAGAAAGGAGCAGCAACTGGAACCAAGCATTTGCATTCAGGATGTCT 2043  
206 GACAAGTCAGCTTTGGTATTTCTGCTCTCAGCTCTTCTGT---GTTGGCTGTGGATTC 262  
2044 ATGAAATGGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTTTAGCTCTGGAGT 2103  
263 TGTGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTCGGCTTAATGTCAAGGTCAAT 322  
2104 TGTGAAAGTGTGGTGTGGCCACAGAAATTCAGCCACTGGATGAATATAAGACATC 2163  
323 CTAGAAGCTCATAGTGAGAGGCCATGAGTAACAGTATTGACTCACTCAAAAGCCTTCG 382  
2164 CTGGATGAACCTGTCAGAGAGGTCATGAGGTGACTGTATTGGCATCTTCAGCTTCCATT 2223  
383 TTAATTGACTACAGGAGCCTTCTGCAATTTGAAATTTGAGGTGGTCCATATGCCACAGGAC 442  
2224 TCTTTCGATCCCAACAGCCCACTACTCTTAAATTTGAAGTTTATCCTGTATCTTTAACT 2283  
443 AGAAGAGGAAATGAAATATTTGTTGACCTAGCTCTGA 482  
2284 AAACTGAGTTGAGGATATTATCAAGCAGCTGGTTAAGA 2323

## RESULT 10

US-09-671-317-412

; Sequence 412, Application US/09671317

; Patent No. 6528260

GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62 US3.CIP  
; CURRENT APPLICATION NUMBER: US/09/671,317  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536,178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/126,269  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/131,961  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 977  
; SOFTWARE: Patent.pm  
; SEQ ID NO 412  
; LENGTH: 1001  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 503  
; OTHER INFORMATION: 10-457-284 : polymorphic base G or T  
; NAME/KEY: misc.binding  
; LOCATION: 483..502  
; OTHER INFORMATION: 10-457-284.mis1, potential  
; NAME/KEY: misc.binding  
; LOCATION: 504..523  
; OTHER INFORMATION: 10-457-284.mis2, potential complement  
; NAME/KEY: primer.binding  
; LOCATION: 220..238  
; OTHER INFORMATION: upstream amplification primer  
; NAME/KEY: primer.binding  
; LOCATION: 621..639  
; OTHER INFORMATION: downstream amplification primer, complement  
; NAME/KEY: misc.binding  
; LOCATION: 491..515  
; OTHER INFORMATION: 10-457-284 potential probe  
; NAME/KEY: misc\_feature  
; LOCATION: 715  
; OTHER INFORMATION: n=a, g, c or t  
; OTHER INFORMATION: n=a, g, c or t  
US-09-671-317-412

Query Match 16.8%; Score 84.2; DB 4; Length 1001;  
Best Local Similarity 62.2%; Pred. No. 5.1e-16;  
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;  
  
QY 194 ATCATGAGTGTGACAAAGTCAGCTTTGGTATTTCCTGCTCTGAGCTCTTCTGT---GTT 250  
Db 245 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCTCAGTTGTTACTTT 304  
  
QY 251 GGCTGTGGATTCTGTGGAAAGTCTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 310  
Db 305 AGCTCTGGAAGCTGTGGAAGGTGTAGTGTGGCCACAGAAATACAGCCATTGGATAAAT 364  
  
QY 311 GTCAAGGTCATTTAGAAAGCTCATAGTGAGAGGCCATGAGTAAACAGTATTGACTCAC 370  
Db 365 ATGAAGACAACTCTGGAAGCTTGTTCAGAGGGTCATGAGTGAATGTTGACATCT 424  
  
QY 371 TCAAAGCCTTCGTTAAATGACTACAGGAAGCCCTTTCGCAATTGAAATTTGAGGTGGTCCAT 430  
Db 425 TCGGCTTCTACTCTTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCTCCT 484  
  
QY 431 A 431  
Db 485 A 485  
  
RESULT 11

US-09-949-016-2735  
; Sequence 2735, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2735  
; LENGTH: 1323  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-2735  
  
Query Match 16.8%; Score 84.2; DB 4; Length 1323;  
Best Local Similarity 62.2%; Pred. No. 5.9e-16;  
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;  
  
QY 194 ATCATGAGTGTGACAAAGTCAGCTTTGGTATTTCCTGCTCTGAGCTCTTCTGT---GTT 250  
Db 5 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCTCAGTTGTTACTTT 64  
  
QY 251 GGCTGTGGATTCTGTGGAAAGTCTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 310  
Db 65 AGCTCTGGAAGCTGTGGAAGGTGTAGTGTGGCCACAGAAATACAGCCATTGGATAAAT 124  
  
QY 311 GTCAAGGTCATTTAGAAAGCTCATAGTGAGAGGCCATGAGTAAACAGTATTGACTCAC 370  
Db 125 ATGAAGACAACTCTGGAAGCTTGTTCAGAGGGTCATGAGTGAATGTTGACATCT 184  
  
QY 371 TCAAAGCCTTCGTTAAATGACTACAGGAAGCCCTTTCGCAATTGAAATTTGAGGTGGTCCAT 430  
Db 185 TCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCTCCT 244  
  
QY 431 A 431  
Db 245 A 245  
  
RESULT 12  
US-09-949-016-2736  
; Sequence 2736, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2736  
; LENGTH: 1323  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-2736

```

Query Match          16.8%; Score 84.2; DB 4; Length 1323;
Best Local Similarity 62.2%; Pred. No. 5.9e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

Qy      194  ATCATGAGGTCGACAACTCAGCTTTGGTATTCTCTGCTCCTCAGCTCTTCTGT---GTT 250
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      251  GGCTGTGATTCTGTGGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTGGGCTTAAT 310
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      65   AGCTCTGGAAGCTGTGGAAAGTGCTAGTGTGGCCACAGAAATACAGCCATTGGGATAAT 124
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      311  GTCAGAGCTCATTTAGAAAGAGCTCATAGTGTGAGAGGCCATGAGGTAAACAGTATTGACTCAC 370
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      125  ATGAAGACAACTCTGGAAGAGCTTGTTCAGAGGGGTGTCATGAGTGCCTGTGTTGACATCT 184
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      371  TCAAAGCCTTCGTTAAATTGACTACAGGAAGCCTTCTGCAATTGAAATTTGAGGTGGTCCAT 430
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Qy      185  TCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCCT 244
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Qy      431  A 431
Db      245  A 245

RESULT 13
US-09-356-806-112
; Sequence 112, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)...(1598)
US-09-356-806-112

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Query Match	16.8%;	Score 84.2;	DB 4;	Length 1976;
Best Local Similarity	62.2%;	Pred. No. 7.2e-16;		
Matches 150;	Conservative 0;	Mismatches 88;	Indels 3;	Gaps 1;
Qy	194	ATCATGAGTCTGACCAAGTCAGCTTTGGTATTCTGCTCCTCGACGCTCTTCGT---	GGT	250
Db	5	ACGAGGATGCTCTGAAATGACGTCAGTCTCTTCGTGATACAGCTCAGTGTGTACTTT	64	
Qy	251	GGCTGTGGATTTCTGTGGAAAGTCTCGTGTGTGGCCCTGTGACATGAGGCATTTGGCTTTAAT	310	
Db	65	AGCTCTGGGAAGCTGTGGAAAGGTGCTAGTGTGTGGCCACAGAAATACAGGCATTTGGATAAAT	124	
Qy	311	GTCGAAGGTTCATTCTAGAAGAGCTCATAGTGTGAGAGGCCATGAGTAAACAGTATTGACTCAC	370	
Db	125	ATGAAGACAATCCTGGAAGAGCTTGTTCAGAGGGGTCATGAGGTGACTGTGTGACATCT	184	
Qy	371	TCAAGCCCTTCGTTAAATTGACTACAGGAAGCCTTCTGCATTGAAATTTGAGGTGCTCAT	430	
Db	185	TCGGCTTCTACTCTGTGTCAAATGCCAGTAAATCATCTGCTATTAAATAGAAGTTATTCCT	244	
Qy	431	A	431	

```

Db      245 A 245

RESULT 14
US-09-356-806-114
; Sequence 114, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 114
; LENGTH: 2312
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: (692)...(1425)
US-09-356-806-114

Query Match          16.8%; Score 84.2; DB 4; Length 2312;
Best Local Similarity 62.2%; Pred.No. 7.8e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

Qy    194 ATCATGAGGTCTGCAAAAGTCAGCTTTGGTATTCTCGTCTCTGCAGCTCTTCTGT---GTT 250
      |||||
Db     696 ACCAGGATGTCCTGAATAAGCAGCTGACTTCTTGCTGTATACAGCTCAGTTGTACTTT 755
      |||||

Qy    251 GGCTGTGGATTCTGTGGGAAAGTCCTGGTGTGGCCCTGTGTGATGAGCCATTGGCTTAAT 310
      |||||
Db     756 AGCTCTGGAAGCTGTGAAAAGGTGCTAGTGTGGCCCCACAGAATACAGCCATTGGATAAAT 815
      |||||

Qy    311 GTCAAGTGCATTCTAGAAGAGCTCATAGTGNAGGCCCATGAGGTAAACAGTATTGACTCAC 370
      |||||
Db     816 ATGAAGACAATCTCTGGAAGAGCTTTGTCAGAGGGGTGATGAGGTGACTGTGTGCACATCT 875
      |||||

Qy    371 TCAAAGCCTTCGTTTAATTGACTACAGGAAGCCTTCTGCATTGAAATTTGAGGTGGTCCAT 430
      |||||
Db     876 TCGGCTTCTACTCTTTGTGCAATGCCAGTAAATCATCTGCTATTAATTAGAAGTTTATCCT 935
      |||||

Qy    431 A 431

```

RESULT 15  
US-09-949-016-14477  
; Sequence 14477, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012



Result	No.	Score	Query		DB	ID	Description
			Match	Length			
1	404	80.8	3050	17	US-10-114-270-49	Sequence 49, Appl	
c 2	392.6	78.5	1001	17	US-10-294-934-388	Sequence 388, App	
c 3	392.2	78.4	1001	17	US-10-294-934-389	Sequence 389, App	
4	347	69.4	1705	17	US-10-114-270-51	Sequence 51, Appl	
5	334	66.8	1662	17	US-10-307-817-117	Sequence 117, App	
6	333	66.6	1620	14	US-10-158-646-45	Sequence 45, Appl	
7	333	66.6	2966	9	US-09-981-353-33	Sequence 33, Appl	
8	330	66.0	1636	9	US-09-981-353-165	Sequence 165, App	
9	330	66.0	1636	17	US-10-258-080-11	Sequence 11, Appl	
10	330	66.0	2974	13	US-10-052-586-521	Sequence 521, App	
11	330	66.0	2974	14	US-10-174-590-521	Sequence 521, App	

; APPLICANT: Rothenberg, Mark E.  
; TITLE OF INVENTION: No. US20040030110A1el Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-322C  
; CURRENT APPLICATION NUMBER: US/10/114,270  
; PRIOR FILING DATE: 2002-11-27  
; CURRENT FILING DATE: 2002-11-27  
; PRIOR APPLICATION NUMBER: 60/281,086  
; PRIOR FILING DATE: 2001-04-03  
; PRIOR FILING DATE: 2001-04-03  
; PRIOR APPLICATION NUMBER: 60/281,136  
; PRIOR FILING DATE: 2001-04-03  
; PRIOR APPLICATION NUMBER: 60/281,863  
; PRIOR FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 60/281,906  
; PRIOR FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 60/282,020  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: 60/282,930  
; PRIOR FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: 60/282,934  
; PRIOR FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: 60/283,512  
; PRIOR FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 60/283,710  
; PRIOR FILING DATE: 2001-04-13  
; PRIOR APPLICATION NUMBER: 60/284,234  
; PRIOR FILING DATE: 2001-04-17  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 470  
; SEQ ID NO 49  
; LENGTH: 3050  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (101)..(1682)  
US-10-114-270-49

Query Match 80.8%; Score 404; DB 17; Length 3050;  
Best Local Similarity 100.0%; Pred. No. 3.2e-107;  
Matches 404; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 97 AAAATATTATTTTAACTTCTGTGCTATATTTGTCATTTCAACTCCTTGGCTTAGTAAC 156  
Db 1 AAAATATTATTTTAACTTCTGTGCTATATTTGTCATTTCAACTCCTTGGCTTAGTAAC 60  
QY 157 AAAAAACCATTCAGATCAGTGTGAGGAACTGCCATCATGAGTCTGACAAAGTCAGC 216  
Db 61 AAAAAACCATTCAGATCAGTGTGAGGAACTGCCATCATGAGTCTGACAAAGTCAGC 120  
QY 217 TTTGGTATTTCTGCTCCTCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCT 276  
Db 121 TTTGGTATTTCTGCTCCTCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCT 180  
QY 277 GGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTTCTAGAAGAGCTCAT 336  
Db 181 GGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTTCTAGAAGAGCTCAT 240  
QY 337 AGTGAGAGCCCATGAGTAACAGTATTGACTACTCAAGGCCCTCGTTAAATGACTACAG 396  
Db 241 AGTGAGAGCCCATGAGTAACAGTATTGACTACTCAAGGCCCTCGTTAAATGACTACAG 300  
QY 397 GAAGCCTTCTGCATTCGAAATTTGAGGTGTGCCATATGCCACAGGACAGACAGAGAAA 456  
Db 301 GAAGCCTTCTGCATTCGAAATTTGAGGTGTGCCATATGCCACAGGACAGACAGAGAAA 360  
QY 457 TGAATATTATTGTGACTAGCTCTGAATGTCTTGGCCAGGCTTAT 500  
Db 361 TGAATATTATTGTGACTAGCTCTGAATGTCTTGGCCAGGCTTAT 404

## RESULT 2

US-10-294-934-388/c  
; Sequence 388, Application US/10294934  
; Publication No. US20040038231A1

GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62 US4.DIV  
; CURRENT APPLICATION NUMBER: US/10/294,934  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/671,317  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536,178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/126,269  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/131,961  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 977  
; SOFTWARE: Patent.pm  
; SEQ ID NO 388  
; LENGTH: 1001  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 501  
; OTHER INFORMATION: 12-906-149 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: misc binding  
; LOCATION: 482..500  
; OTHER INFORMATION: 12-906-149.mis1  
; FEATURE:  
; NAME/KEY: misc binding  
; LOCATION: 502..521  
; OTHER INFORMATION: 12-906-149.mis2, potential complement  
; FEATURE:  
; NAME/KEY: primer bind  
; LOCATION: 353..372  
; OTHER INFORMATION: upstream amplification primer  
; FEATURE:  
; NAME/KEY: primer bind  
; LOCATION: 809..829  
; OTHER INFORMATION: downstream amplification primer, complement  
; FEATURE:  
; NAME/KEY: misc binding  
; LOCATION: 489..513  
; OTHER INFORMATION: 12-906-149 potential probe  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 750,853..854,860,942,945  
; OTHER INFORMATION: n=a, g, c or t  
US-10-294-934-388  
Query Match 78.5%; Score 392.6; DB 17; Length 1001;  
Best Local Similarity 88.5%; Pred. No. 4e-104;  
Matches 454; Conservative 0; Mismatches 44; Indels 15; Gaps 2;  
QY 2 TCTAGAGGTTTGGACAACTTTTCCCTGATACATTGCA-----TTTTTTTGATAC 51  
Db 540 TCTAGAGGTTTGGACAAATTTTCCCTGATACATTGCAAYATTGCAATTTCTTTTGATAT 481  
QY 52 CTTCTAGTACATGTTAAACTGGCAACACACAGTGAAC-----TTTACTCTTAAATATTAA 106  
Db 480 CTTCAATAATGTGAAGCTGGCAACCAACCAATGAACTTTATTACACTTAAATATTAA 421  
QY 107 TTTTAACTTCTGCTTATATTGTCATTTCAACTCCCTTGTAGTAACTACAAACCAT 166  
Db 420 TTTTAACTTCTGCTTATATTGTCATTTCAATTTGCTTAGTAATCAAGCTAG 361  
QY 167 TGCAGATCAGTGTGAGGGAACCTGCCATCATGAGTCTGACAAGTCAGCTTTGGTATT 226



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Db 360 TGCAGATCAGTGTGTGAGGGAATGTCAATCATGAGGCCGAGAGTCAGCTTTGGTATTT 301
Qy 227 CTGCTCTCGAGCTCTTCTGTGTGGCTGTGGATTCTGTGGGAAAGTCTCTGTGTGGCCC 286
Db 300 CGGCTCTGCAACTCTTCTGTGTAGTTGTGAATTCCTGTGAGAAGTCTCTGTGTGGCCC 241
Qy 287 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTCCTGAGAAGCTCATAGTGAGAGGC 346
Db 240 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTCCTGAGAAGCTCATAGTGAGAGGC 181
Qy 347 CATGAGGTAAACAGTATTGACTCACTCAAAAGCTTCTGTTAATTTGACTACAGAGGCTTCT 406
Db 180 CATGAGGTAAACAGTATTGACTCACTCAAAAGCTTCTGTTAATTTGACTACAGAGGCTTCT 121
Qy 407 GCATTGAAATTTGAGGTGGTCCATATGCCAGGACAGACAGAGAAATGAAATATTT 466
Db 120 GCATTGAAATTTGAGGTGGTCCATATGCCAGGATAAACAGAGAAATGAAATATTT 61
Qy 467 GTTGACCTAGCTCTGAATGTCTTGCCAGGCTTA 499
Db 60 GTTGACCTAGCTCTGAATGTCTTGCCAGGCTTA 28

RESULT 3
US-10-294-934-389/c
; Sequence 389, Application US/10294934
; Publication No. US20040038231A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US4.DIV
; CURRENT APPLICATION NUMBER: US/10/294,934
; PRIORITY FILING DATE: 2000-09-27
; PRIOR FILING DATE: 2000-09-27
; PRIOR FILING DATE: 2000-09-27
; PRIOR FILING DATE: 2000-03-23
; PRIOR FILING DATE: 2000-03-23
; PRIOR FILING DATE: 2000-03-24
; PRIOR FILING DATE: 2000-03-24
; PRIOR FILING DATE: 1999-03-25
; PRIOR FILING DATE: 1999-03-25
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 389
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-154 : polymorphic base A or C
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-906-154.mis1, potential
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-154.mis2, potential complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 348..367
; OTHER INFORMATION: upstream amplification primer
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 804..824
; OTHER INFORMATION: downstream amplification primer, complement
; FEATURE:
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; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-154 potential probe
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 745,848..849,855,937,940
; OTHER INFORMATION: n=a, g, c or t
; US-10-294-934-389

Query Match 78.4%; Score 392.2; DB 17; Length 1001;
Best Local Similarity 88.3%; Pred. No. 5.2e-104;
Matches 453; Conservative 1; Mismatches 44; Indels 15; Gaps 2;

Qy 2 TCTAGAGGTTGGAACAACATTTTCCCTGATACATTCGCA-----TTTACTCTTTAAATATATA 106
Db 535 TCTAGAAGGTTGGAACAACATTTTCCCTGATACATTCGCAACATTTTCTTTTGGATAT 476
Qy 52 CTTTCAGTACATGTAAACTGGCAACACACAGTGAAC-----TTTACTCTTTAAATATATA 106
Db 475 CTTTCAATAAATGTGAAGCTGGCAACCAACCAATGAACTTTTATTTACACTTTAAATATATA 416
Qy 107 TTTTAACTTCTGTGCTTATATTGTTCATTTCAACTCTCTCTAGTAACTACAAACCAT 166
Db 415 TTTTAACTTCTGTGCTTATATTGTTCATTTCAATTTTCATGCTTAGTAACTACAAAGTAG 356
Qy 167 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGCACAAAGTCAGCTTTGGTATTT 226
Db 355 TGCAGATCAGTGTGTGAGGGAATGTCTCATCATGAGGCCGAGAAAGTCAGCTTTGGTATTT 296
Qy 227 CTGCTCTCGAGCTCTTCTGTGTGGCTGTGGATTCTCTGTGGGAAAGTCTCTGTGTGGCCC 286
Db 295 CGGCTCTCGCAACTCTTCTGTGTAGTTGTGAATTCCTGTGAGAAGGTCCTGTGTGGCCC 236
Qy 287 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTCCTAGAGAGCTCATAGTGAGAGGC 346
Db 235 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTCCTAGAGAGCTCATAGTGAGAGGC 176
Qy 347 CATGAGGTAAACAGTATTGACTCACTCAAAAGCTTCTGTTAATTTGACTACAGAGGCTTCT 406
Db 175 CATGAGGTAAACAGTATTGACTCACTCAAAAGCTTCTGTTAATTTGACTACAGAGGCTTCT 116
Qy 407 GCATTGAAATTTGAGGTGGTCCATATGCCAGGACAGACAGAGAAATGAAATATTT 466
Db 115 GCATTGAAATTTGAGGTGGTCCATATGCCAGGATAAACAGAGAAATGAAATATTT 56
Qy 467 GTTGACCTAGCTCTGAATGTCTTGCCAGGCTTA 499
Db 55 GTTGACCTAGCTCTGAATGTCTTGCCAGGCTTA 23

RESULT 4
US-10-114-270-51
; Sequence 51, Application US/10114270
; Publication No. US20040030110A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles E.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Patturajan, Meera
; APPLICANT: Liu, Ziaohong
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Li, Li
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gorman, Linda
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Smithson, Glenda
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Padigaru, Muralidhara
```

APPLICANT: Shimkets, Richard A.  
APPLICANT: Gangolli, Beha A.  
APPLICANT: Taupier Jr., Raymond J.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Ji, Weizhen  
APPLICANT: Anderson, David W.  
APPLICANT: Liette, Mario W.  
APPLICANT: Rastelli, Luca  
APPLICANT: Edinger, Shlomit R.  
APPLICANT: Stone, David J.  
APPLICANT: MacDougall, John R.  
APPLICANT: Rothenberg, Mark E.  
TITLE OF INVENTION: No. US20040030110A1el Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-322C  
CURRENT APPLICATION NUMBER: US/10/114,270  
CURRENT FILING DATE: 2002-11-27  
PRIOR APPLICATION NUMBER: 60/281,086  
PRIOR FILING DATE: 2001-04-03  
PRIOR APPLICATION NUMBER: 60/281,136  
PRIOR FILING DATE: 2001-04-03  
PRIOR APPLICATION NUMBER: 60/281,863  
PRIOR FILING DATE: 2001-04-05  
PRIOR APPLICATION NUMBER: 60/281,906  
PRIOR FILING DATE: 2001-04-05  
PRIOR APPLICATION NUMBER: 60/282,020  
PRIOR FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: 60/282,930  
PRIOR FILING DATE: 2001-04-10  
PRIOR APPLICATION NUMBER: 60/282,934  
PRIOR FILING DATE: 2001-04-10  
PRIOR APPLICATION NUMBER: 60/283,512  
PRIOR FILING DATE: 2001-04-12  
PRIOR APPLICATION NUMBER: 60/283,710  
PRIOR FILING DATE: 2001-04-13  
PRIOR APPLICATION NUMBER: 60/284,234  
PRIOR FILING DATE: 2001-04-17  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 470  
SEQ ID NO 51  
LENGTH: 1705  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (44)..(1625)  
US-10-114-270-51

Query Match 69.4%; Score 347; DB 17; Length 1705;  
Best Local Similarity 100.0%; Pred. No. 1.2e-90; Mismatches 0; Indels 0; Gaps 0;  
Matches 347; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 154 ACTACAAAACCATGTCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTC 213  
DB 1 ACTACAAAACCATGTCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTC 60  
QY 214 AGCTTTGGTATTCTGCTCTGAGCTCTTCTGTGTGTGCTGTGATTCGTGGGAAAGT 273  
DB 61 AGCTTTGGTATTCTGCTCTGAGCTCTTCTGTGTGTGCTGTGATTCGTGGGAAAGT 120  
QY 274 CTGTGTGTGGCCCTGTGACATGAGCCATGGCTTAATGTCAAGGTCAATCTAGAGAGCT 333  
DB 121 CTGTGTGTGGCCCTGTGACATGAGCCATGGCTTAATGTCAAGGTCAATCTAGAGAGCT 180  
QY 334 CATAGTGAGAGCCATGAGGTAACTAGTATGACTCACTCAAGCCCTTCGTTAATTGACTA 393  
DB 181 CATAGTGAGAGCCATGAGGTAACTAGTATGACTCACTCAAGCCCTTCGTTAATTGACTA 240  
QY 394 CAGGAGCCTTCTGCATTGAAATTTAGGTGTGCTCATATGCCACAGGACAGACAGA 453  
DB 241 CAGGAGCCTTCTGCATTGAAATTTAGGTGTGCTCATATGCCACAGGACAGACAGA 300  
QY 454 AAATGAAATATTGTTGACCTAGCTCTGAATGCTTGGCCAGGCTTAT 500  
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Db 301 AAATGAAATATTGTTGTTGACCTAGCTCTGAATGCTTGGCCAGGCTTAT 347  
RESULT 5  
US-10-307-817-117  
; Sequence 117, Application US/10307817  
; Publication No. US20040058338A1  
; GENERAL INFORMATION:  
; APPLICANT: Agee et al.  
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-502C  
; CURRENT APPLICATION NUMBER: US/10/307,817  
; CURRENT FILING DATE: 2002-12-02  
; NUMBER OF SEQ ID NOS: 682  
; SOFTWARE: CuraseqList version 0.1  
; SEQ ID NO 117  
; LENGTH: 1662  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (31)..(1611)  
US-10-307-817-117  
Query Match 66.8%; Score 334; DB 17; Length 1662;  
Best Local Similarity 100.0%; Pred. No. 7.3e-87; Mismatches 0; Indels 0; Gaps 0;  
Matches 334; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 167 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGCAAGTCAGCTTTGGTATT 226  
DB 1 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGCAAGTCAGCTTTGGTATT 60  
QY 227 CTGCTCTGAGCTCTTCTGTGTGTGCTGTGATTCCTGTGGGAAAGTCTGTGTGGCCC 286  
DB 61 CTGCTCTGAGCTCTTCTGTGTGTGCTGTGATTCCTGTGGGAAAGTCTGTGTGGCCC 120  
QY 287 TGTGACATGAGCCATGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGC 346  
DB 121 TGTGACATGAGCCATGGCTTAATGTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGC 180  
QY 347 CATGAGGTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTGACTACAGGAAGCTTCT 406  
DB 181 CATGAGGTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTGACTACAGGAAGCTTCT 240  
QY 407 GCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAGAAAATGAAATATT 466  
DB 241 GCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAGAAAATGAAATATT 300  
QY 467 GTTGACCTAGCTCTGAATGCTTGGCCAGGCTTAT 500  
DB 301 GTTGACCTAGCTCTGAATGCTTGGCCAGGCTTAT 334

RESULT 6  
US-10-158-646-45  
; Sequence 45, Application US/10158646  
; Publication No. US20030073105A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy K.W.  
; APPLICANT: Sornasse, Thierry  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0030-1 US  
; CURRENT APPLICATION NUMBER: US/10/158,646  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: 60/295,239  
; PRIOR FILING DATE: 2001-05-31  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: PERL Program  
; SEQ ID NO 45  
; LENGTH: 1620  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:

Db	181	ATGAGGTAAACAGTATTGACTC	ACTCAAGACCTTCGTTAAATTGAC	CTACAGGAAGCCTTCTG	246
Qy	408	CATTGAAATTTGAGGTGGTGCATAT	GCCACAGGACAGAAAGAAATGAAAT	TATTTG	467
Db	241	CATTGAAATTTGAGGTGGTGCATAT	GCCACAGGACAGAAAGAAATGAAAT	TATTTG	300
Qy	468	TTGACCTAGCTCTGAAATGCTTTG	CCAGGCTTAT	500	
Db	301	TTGACCTAGCTCTGAAATGCTTTG	CCAGGCTTAT	333	
RESULT 8					
US-09-981-353-165					
; Sequence 165, Application US/09981353					
; Patent No. US20020160382A1					
; GENERAL INFORMATION:					
; APPLICANT: Lasek, Amy W.					
; APPLICANT: Jones, David A.					
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER					
; FILE REFERENCE: PA-0038 US					
; CURRENT APPLICATION NUMBER: US/09/981.353					
; CURRENT FILING DATE: 2001-10-11					
; NUMBER OF SEQ ID NOS: 194					
; SOFTWARE: PERL Program					
; SEQ ID NO 165					
; LENGTH: 1636					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
; FEATURE:					
; NAME/KEY: misc_feature					
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1					
US-09-981-353-165					
Query Match 66.0%; Score 330; DB 9; Length 1636;					
Best Local Similarity 100.0%; Pred. No. 1.1e-85;					
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0					
Qy	171	GATCAGTGTGTGAGGGAACTGCCATCAT	GAGGCTCTGACCAAGTCAGCTTTGGTATT	TCTGC	230
Db	1	GATCAGTGTGTGAGGGAACTGCCATCAT	GAGGCTCTGACCAAGTCAGCTTTGGTATT	TCTGC	60
Qy	231	TCCTGCAGCTCTTCTGTGTGGCTGTG	GATTCGTCTGGGAAAGTCTGTGTGGCCCTGTG	290	
Db	61	TCCTGCAGCTCTTCTGTGTGGCTGTG	GATTCGTCTGGGAAAGTCTGTGTGGCCCTGTG	120	
Qy	291	ACATGAGCCATTGGCTTAAATGCTCA	AGGTCATTCTAGAGAGCTCATAGTGAGAGGCCATG	350	
Db	121	ACATGAGCCATTGGCTTAAATGCTCA	AGGTCATTCTAGAGAGCTCATAGTGAGAGGCCATG	180	
Qy	351	AGGTAAACAGTATTGACTCAGCTCA	AGGCTTCGTTAAATTGACTACAGGAAGCCTTCTGCAT	410	
Db	181	AGGTAAACAGTATTGACTCAGCTCA	AGGCTTCGTTAAATTGACTACAGGAAGCCTTCTGCAT	240	
Qy	411	TGAAATTTGAGGTGGTGCATATGCC	CAGGACAGAAACAGAGAAAATGAAATATTTGTTG	470	
Db	241	TGAAATTTGAGGTGGTGCATATGCC	CAGGACAGAAACAGAGAAAATGAAATATTTGTTG	300	
Qy	471	ACCTAGCTCTGAAATGCTTTGCC	AGGCTTAT	500	
Db	301	ACCTAGCTCTGAAATGCTTTGCC	AGGCTTAT	330	
RESULT 9					
US-10-258-080-11					
; Sequence 11, Application US/10258080					
; Publication No. US20040029125A1					
; GENERAL INFORMATION:					
; APPLICANT: Incyte Genomics, Inc.					
; APPLICANT: POLICKY, Jennifer L.					
; APPLICANT: HAFALIA, April J.A.					
; APPLICANT: BURFORD, Neil					
; APPLICANT: RING, Huijun Z.					
; APPLICANT: LAL, Preeti G.					

APPLICANT: TRIBOULEY, Catherine M.  
APPLICANT: YAO, Monique G.  
APPLICANT: YUE, Henry  
APPLICANT: TANG, Y. Tom  
APPLICANT: ARVIZU, Chandra S.  
APPLICANT: DAS, Debopriya  
APPLICANT: SANJANWALA, Madhusudan M.  
APPLICANT: GANDHI, Ameena R.  
APPLICANT: REDDY, Roopa M.  
APPLICANT: KHAN, Farrah A.  
APPLICANT: BAUGHN, Mariah R.  
APPLICANT: RAMKUMAR, Jayalaxmi  
APPLICANT: GRIFFIN, Jennifer A.  
APPLICANT: AU-YOUNG, Janice K.  
TITLE OF INVENTION: DRUG METABOLIZING ENZYMES  
FILE REFERENCE: PI-0070 USN  
CURRENT APPLICATION NUMBER: US/10/258,080  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: US 60/203,509  
PRIOR FILING DATE: 2000-05-11  
PRIOR APPLICATION NUMBER: US 60/202,234  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/200,185  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: US 60/198,403  
PRIOR FILING DATE: 2000-04-19  
PRIOR APPLICATION NUMBER: PCT/US01/11869  
PRIOR FILING DATE: 2001-04-12  
PRIOR APPLICATION NUMBER: US 60/197,590  
PRIOR FILING DATE: 2000-04-13  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: PERL Program  
SEQ ID NO 11  
LENGTH: 1636  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
OTHER INFORMATION: Incyte ID No. US20040029125A1 2434655CB1  
US-10-258-080-11

Query Match 66.0%; Score 330; DB 17; Length 1636;  
Best Local Similarity 100.0%; Pred. No. 1.1e-85;  
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGAGGGAATGCCATCATCAGGCTGACAAAGTCAGCTTTGGTATTTCGC 230  
|||  
Db 1 GATCAGTGTGAGGGAATGCCATCATCAGGCTGACAAAGTCAGCTTTGGTATTTCGC 60

QY 231 TCCTGCAGCTCTCTGTGTGGCTGTGGATTCTGTGGGAAGTCCTGTGTGCCCTGTG 290  
|||  
Db 61 TCCTGCAGCTCTCTGTGTGGCTGTGGATTCTGTGGGAAGTCCTGTGTGCCCTGTG 120

QY 291 ACATGAGCCATTGGCTTAATGTCAAGGTCATCTAGAAGAGCTCATAGTGAGAGGCCATG 350  
|||  
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCATCTAGAAGAGCTCATAGTGAGAGGCCATG 180

QY 351 AGGTAAACAGTATTGACTACTCAAGCCCTTCGTTAATTCAGTACAGGAAGCCCTTCGCAT 410  
|||  
Db 181 AGGTAAACAGTATTGACTACTCAAGCCCTTCGTTAATTCAGTACAGGAAGCCCTTCGCAT 240

QY 411 TGAATTTTCAGGTGGTCCATATGCCACAGGACAGACAGAAATGAATATTGTTG 470  
|||  
Db 241 TGAATTTTCAGGTGGTCCATATGCCACAGGACAGACAGAAATGAATATTGTTG 300

QY 471 ACCTAGCTCTGAATGTCTTGCCAGGCTTAT 500  
|||  
Db 301 ACCTAGCTCTGAATGTCTTGCCAGGCTTAT 330

RESULT 10  
US-10-052-586-521  
; Sequence 521, Application US/10052586

Publication No. US20020127584A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C1  
CURRENT APPLICATION NUMBER: US/10/052,586  
CURRENT FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063564  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063734  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063870  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066120  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066466  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066772  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069335  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069425  
PRIOR FILING DATE: 1997-12-12  
PRIOR APPLICATION NUMBER: 60/069870  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/068017  
PRIOR FILING DATE: 1997-12-18  
PRIOR APPLICATION NUMBER: 60/077450  
PRIOR FILING DATE: 1998-03-10  
PRIOR APPLICATION NUMBER: 60/077632  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/077649  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/078886  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/078939  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079664  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/079786

; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/080107  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080194  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080327  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/080333  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/081049  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081070  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081195  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: 60/081838  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082568  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082569  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082704  
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; PRIOR FILING DATE: 1998-05-22  
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; PRIOR FILING DATE: 1998-06-04

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; PRIOR APPLICATION NUMBER: 60/089105  
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; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089908

Query Match 66.0%; Score 330; DB 13; Length 2974;  
Best Local Similarity 100.0%; Pred. No. 1.4e-85;  
Matches 330; Conservative 0; Mismatches 0; Gaps 0;

Qy 171 GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAGTCTGTTGGTATTCTGC 230  
Db 1 GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAGTCTGTTGGTATTCTGC 60  
Qy 231 TCCTGCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAGTCTGTTGGTGGCCCTGTG 290  
Db 61 TCCTGCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAGTCTGTTGGTGGCCCTGTG 120  
Qy 291 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 350  
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 180  
Qy 351 AGGTAACAGTATTGACTCACTCAAGCCCTTCGTTTAATTGACTAGAGAGCCCTTCTGCAT 410  
Db 181 AGGTAACAGTATTGACTCACTCAAGCCCTTCGTTTAATTGACTAGAGAGCCCTTCTGCAT 240





; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083499  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083559  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/084366  
; PRIOR FILING DATE: 1998-05-05  
; PRIOR APPLICATION NUMBER: 60/084414  
; PRIOR FILING DATE: 1998-05-06  
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; PRIOR APPLICATION NUMBER: 60/084640  
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; PRIOR APPLICATION NUMBER: 60/084643  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/085573  
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; PRIOR FILING DATE: 1998-05-15  
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; PRIOR APPLICATION NUMBER: 60/086023  
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; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 66.0%; Score 330; DB 14; Length 2974;

Best Local Similarity 100.0%; Pred. No. 1.4e-85;

Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGAGGGAAGTCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATTCTGC 230  
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DB 1 GATCAGTGTGAGGGAAGTCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATTCTGC 60  
QY 231 TCCTGCAGCTCTTCGTGTGTGGCTGTGGATTCTGTGGAAAGTCTCTGGTGTGGCCCTGTG 290  
|||  
DB 61 TCCTGCAGCTCTTCGTGTGTGGCTGTGGATTCTGTGGAAAGTCTCTGGTGTGGCCCTGTG 120  
QY 291 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAGAGCTCATAGTGAAGGCCATG 350  
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DB 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAGAGCTCATAGTGAAGGCCATG 180  
QY 351 AGGTAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAGCCCTTGCAT 410  
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DB 181 AGGTAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAGCCCTTGCAT 240  
QY 411 TGAATAATTGAGGTGTCATATGCCACAGGACAGAACAGAAATGAAATATTGTTG 470  
DB 241 TGAATAATTGAGGTGTCATATGCCACAGGACAGAACAGAAATGAAATATTGTTG 300  
QY 471 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500  
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DB 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 330

# RESULT 15

US-10-176-483-521

; Sequence 521, Application US/10176483

; Publication No. US20030017541A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430RIC68

; CURRENT APPLICATION NUMBER: US/10/176,483

; CURRENT FILING DATE: 2002-06-20

; Prior application removed - See File Wrapper or Palm



; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-483-521

Query Match 66.0%; Score 330; DB 14; Length 2974;  
Best Local Similarity 100.0%; Pred. No. 1.4e-85;  
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 171 GATCAGTGTGTGAGGGAACGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGC 230  
Db 1 GATCAGTGTGTGAGGGAACGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGC 60  
Qy 231 TCCTGCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 290  
Db 61 TCCTGCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 120  
Qy 291 ACATGAGCCATTGGCTTAAATGTCAAGTCAATTTCTAGAAGAGCTCATAGTGAGAGGCCATG 350  
Db 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATTTCTAGAAGAGCTCATAGTGAGAGGCCATG 180  
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Db 241 TGAATTTGAGGTGGTCCATATGCCACAGACAGACAGAAATGAAATATTTGTTG 300  
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Db 301 ACCTAGCTCTGAATGTCTTCCAGGCTTAT 330

Search completed: April 5, 2005, 06:52:58  
Job time : 313.393 secs



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 175.237 Seconds  
(without alignments)  
9346.853 Million cell updates/sec

Title: US-09-784-340-3\_COPY\_18000\_19000

Perfect score: 1001

Sequence: 1 cgcttcagtgagttatctcg.....tctgttcacaaaatgtttt 1001

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

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- 2: /cgn2\_6/ptodata/1/ina/5B COMB.seq.\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/ptodata/1/ina/PCUTUS COMB.seq.\*
- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	230.2	23.0	2966	4	US-09-976-594-241
2	189.6	18.9	20441	4	US-09-949-016-14476
3	187.2	18.7	18373	4	US-09-949-016-14338
4	187.2	18.7	18452	4	US-09-949-016-14337
5	186.4	18.6	596	4	US-09-356-806-45
6	184.6	18.4	1589	4	US-09-356-806-6
7	182.6	18.2	1001	4	US-09-671-317-352
8	181.4	18.1	1001	4	US-09-671-317-353
9	181.4	18.1	19732	4	US-09-949-016-12870
10	181.4	18.1	19732	4	US-09-949-016-14923
11	181.4	18.1	19733	4	US-09-949-016-14336
12	180.8	18.1	2092	4	US-09-356-806-7
13	180.8	18.1	2093	4	US-09-949-016-1128
14	179.2	17.9	1001	4	US-09-671-317-424
15	178	17.8	1001	4	US-09-671-317-354
16	177.6	17.7	978	4	US-09-356-806-118
17	177.6	17.7	2092	4	US-09-949-016-2594
18	177.6	17.7	2092	4	US-09-949-016-3181
19	177	17.7	1413	3	US-09-813-918-1
20	177	17.7	1413	4	US-10-060-311-1
21	177	17.7	1629	4	US-09-949-016-2596
22	177	17.7	1708	4	US-09-949-016-2595
23	177	17.7	1832	4	US-09-949-016-2734
24	177	17.7	1854	4	US-09-356-806-39
25	168.8	16.9	601	4	US-09-949-016-94479
26	168.8	16.9	2107	3	US-09-180-852-1
27	167	16.7	1976	4	US-09-356-806-112

28	165.6	16.5	1001	4	US-09-671-317-405
29	154.2	15.4	1602	4	US-09-356-806-117
30	154.2	15.4	20599	4	US-09-949-016-14477
31	154.2	15.4	20599	4	US-09-949-016-14478
32	150	15.0	1591	4	US-09-356-806-44
33	149	14.9	689	4	US-09-356-806-5
34	145.4	14.5	1323	4	US-09-949-016-2735
35	145.4	14.5	1323	4	US-09-949-016-2736
36	141.6	14.1	1001	4	US-09-671-317-404
37	128.8	12.9	983	4	US-09-671-317-386
38	106.4	10.6	735	4	US-09-305-856B-17
39	106.4	10.6	2351	4	US-09-949-016-76
40	106.4	10.6	2351	4	US-09-949-016-1813
41	106.4	10.6	17020	4	US-09-949-016-11818
42	106.4	10.6	17021	4	US-09-949-016-13555
43	106	10.6	601	4	US-09-949-016-19330
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45	104.8	10.5	2336	5	PCT-US92-00282-1

ALIGNMENTS

RESULT 1

US-09-976-594-241  
; Sequence 241, Application US/09976594  
; Patent No. 6673549  
; GENERAL INFORMATION:  
; APPLICANT: Furness, Michael  
; APPLICANT: Buchbinder, Jenny  
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS  
; FILE REFERENCE: PA-0041 US  
; CURRENT APPLICATION NUMBER: US/09/976,594  
; CURRENT FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: 60/240,409  
; PRIOR FILING DATE: 2000-10-12  
; NUMBER OF SEQ ID NOS: 1143  
; SOFTWARE: PERL Program  
; SEQ ID NO 241  
; LENGTH: 2966  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1  
US-09-976-594-241

Query Match	23.0%	Score	230.2	DB	4	Length	2966
Best Local Similarity	96.7%	Pred. No.	7.1e-59				
Mismatches	235	Conservative	0	Mismatches	8	Indels	0
Gaps	0						
Qy	759	GTGTTTTTCCCTTCCAGTTATTAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	818				
Db	1317	GTCAATACCAAGTCTCTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	1376				
Qy	819	CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA	878				
Db	1377	CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA	1436				
Qy	879	GGAGCCCAAGCACCTGGCATCAGCTGCCCATGACCTCACCTGGTTCAGCAGCTACTCTATATA	938				
Db	1437	GGAGCCCAAGCACCTGGCATCAGCTGCCCATGACCTCACCTGGTTCAGCAGCTACTCTATATA	1496				
Qy	939	GATGTGATTTGGTTCTCTGCTGACCTGTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT	998				
Db	1497	GATGTGATTTGGTTCTCTGCTGACCTGTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT	1556				
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Db	1557	TTT 1559					

RESULT 2

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US-09-949-016-14476
; Sequence 14476, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14476
; LENGTH: 20441
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(20441)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14476

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Db 17869	AACTCTTCCTGCTACATTACTGTCTTTATTTTTTATCTTTTCAGATATAAGAGAATGTTAT	17928		
Qy 794	GAGATTATCAAGAAATTCACCATGATCAACTGTGAAGCCCTAGATCCGAGCAGTCTTCTG	853		
Db 17929	GAAATTATCAAGAAATTCACATGATCAACAGTGAAGCCCTTGGATTCGAGCAGTCTTCTG	17988		
Qy 854	GATCGAGTTTGTTCATCGCCACAAAGAGCCCAAGCACCTTGCATCAGTGTGCCCATGACCT	913		
Db 17989	GATTGAATTTGTTCATCGCCACAAAGAGGCTAAACACCTTCGGTGTGCAGCCCAAGACT	18048		
Qy 914	CACCTGGTTCACGACTACTCTATAGATGTGATTGGGTTCTCTGCTCAGCTGTGTGGCAAC	973		
Db 18049	CACCTGGTTCAGATACACTCTTTTGGATGTGATTGGGTTCTCTGCTGTCTGTGTGGCAAC	18108		
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Db 18109	TGTGATATTTATCGTCACAAAATGTTGT	18136		

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RESULT 3
US-09-949-016-14338
; Sequence 14338, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,769
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14338

```

```

; LENGTH: 18373
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(18373)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14338

Query Match      18.7%; Score 187.2; DB 4; Length 18373;
Best Local Similarity 77.0%; Pred. No. 2e-45;
Matches 228; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

Qy      706  TTTTATCTACGTGCTCTTTTATGAAAAACAAAACCTACAACTTCTTAAGTTCATATGTCGTGTTTT 765
Db      15995  TTCATAGACTTGATATGTACAGGCAAATTAACCTTACTTTCAGTGTGGTATCTTTATTTT 16054

Qy      766  TCCTTCCAGTTATTAAGAGAAATGCTATGAGATTATCAAGAATTTCACCATGATCAACTG 825
Db      16055  TATCCTTCAGATATAAAGAGAAATATTATGAAATTTATCAAGAATTTCACATGATCAACG 16114

Qy      826  TAAAGCCCTTAGATCGAGCAGTCTTCTCGATCGAGTTTGTCTATCGGCCACAAAGAGGCCA 885
Db      16115  TAAAGCCCTTGGATCGAGCAGTCTTCTCGATTGAATTTGTCTATCGGCCACAAAGAGGCCA 16174

Qy      886  AGCACTCGGATCAGTCCCATGACCTCACTGGTCCAGCACTACTCTATAGATCTGA 945
Db      16175  AACACCTTCGAGTTGAGCCCGTGACCTCACTGGTCCAGTACCACTCTTTGGATGTGA 16234

Qy      946  TTGGGTTCTCTGCTGACCTGTGTGGCAACTGCTATATCTTCTTCAAAAATGTTTT 1001
Db      16235  TTGGGTTTCTGCTGGCTGTGGCAACTGTGACATTTATCATCAAAAGTGTGT 16290

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## RESULT 4

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US-09-949-016-14337
; Sequence 14337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: fastSEQ for Windows Version 4.0
; SEQ ID NO 14337
; LENGTH: 18452
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(18452)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14337

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	Query Match	18.7%	Score 187.2;	DB 4;	Length 18452;
	Best Local Similarity	77.0%;	Pred. No. 2e-45;		
	Matches 228;	Conservative 0;	Mismatches 68;	Indels 0;	Gaps 0;
Qy	706	TTTATCTACGTGCTTTTATGAAACAAAAC	TACAACTTCTAAAGTTCTATGTGTGTTTT	765	
Db	15994	TTCCATAGACTTGATATGTACAGCGAATTA	CTTACTTTTCAGTTGGTATCTTTATTTTT	16053	
Qy	766	TCCTTTCCAGTTTATAAGAGAAATGCTATG	AGATTATCAAGAATTCAACATGATCAACCTG	825	

Db 16054 TATCTTCAGATATAAGAGAAATATATGAATATATCAAGAAATTCACATGATCAACAG 16113  
Qy 826 TAAAGCCCTAGATCGAGCAGCTCTCTGGATCGAGTTTGTCTATCGGCCACAAAGGAGCCA 885  
Db 16114 TAAAGCCCTGATCGAGCAGCTCTCTGGATTGAATTTGTATCGGCCACAAAGGAGCCA 16173  
Qy 886 AGACCTGCGATAGCTGGCCCATGACCTCACTCGGTTCCAGCAGCTACTCTATAGATGTA 945  
Db 16174 AACACCTTCGAGTTGCAGCCGTCACCTCACTGGTTCCAGTACCACTCTTTGGATGTA 16233  
Qy 946 TTGGGTTCTCTGCTGACCTGTGTCGCACTGCTATATCTTCTTCCACAAATGTTTT 1001  
Db 16234 TTGGGTTCTCTGCTGCTGTGTGGCACTGTGACATTTATCATCACAAAGTGTGT 16289

## RESULT 5

US-09-356-806-45  
; Sequence 45, Application US/09356806  
; Patent No. 6586175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura  
; APPLICANT: Galvin, Margaret  
; APPLICANT: Miller, Andrew  
; APPLICANT: Reidy, Michael  
; TITLE OF INVENTION: Genotyping Human  
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and  
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes  
; FILE REFERENCE: SEQ-22PRV2  
; CURRENT APPLICATION NUMBER: US/09/356,806  
; CURRENT FILING DATE: 1999-07-20  
; NUMBER OF SEQ ID NOS: 164  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 45  
; LENGTH: 596  
; TYPE: DNA  
; ORGANISM: H. sapiens  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (19)...(549)  
US-09-356-806-45

Query Match 18.6%; Score 186.4; DB 4; Length 596;  
Best Local Similarity 85.2%; Pred. No. 5e-46;  
Matches 208; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Qy 758 TGTGTTTTTCCCTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCAATGA 817  
Db 2 TTTATTTTATCTTTCAGATATAAGAGAAATGTTATGAAATTTATCAAGAAATTCACCAATGA 61  
Qy 818 TCAACCTGTAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAA 877  
Db 62 TCAACCAAGTGAAGCCCTGGATCGAGCAGTCTTCTGGATTGAATTTGTCTATGCGCCACAA 121  
Qy 878 AGGAGCAAGCACTGGGATCAGCTGCGCCATGACCTCACTGGTTCCAGCAGCTACTCTAT 937  
Db 122 AGGAGCTAAACACCTTCGGGTTGAGGCCACGACCTCACTGGTTCCAGTACCACTCTTT 181  
Qy 938 AGATGTGATTGGGTTCTGCTGACCTGTGTGGCACTGCTATATCTTGTTCACAAATG 997  
Db 182 GGATGTGATTGGGTTCTGCTGCTGTGTGGCACTGTGATATTTATTCGTCACAAAATG 241  
Qy 998 TTTT 1001  
Db 242 TTGT 245

## RESULT 6

US-09-356-806-6  
; Sequence 6, Application US/09356806  
; Patent No. 6586175  
; GENERAL INFORMATION:  
; APPLICANT: Penny, Laura  
; APPLICANT: Galvin, Margaret

; APPLICANT: Miller, Andrew  
; APPLICANT: Reidy, Michael  
; TITLE OF INVENTION: Genotyping Human  
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and  
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes  
; FILE REFERENCE: SEQ-22PRV2  
; CURRENT APPLICATION NUMBER: US/09/356,806  
; CURRENT FILING DATE: 1999-07-20  
; NUMBER OF SEQ ID NOS: 164  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 6  
; LENGTH: 1589  
; TYPE: DNA  
; ORGANISM: H. sapiens  
; FEATURE:  
; NAME/KEY: Other  
; LOCATION: (731)...(1475)  
US-09-356-806-6

Query Match 18.4%; Score 184.6; DB 4; Length 1589;  
Best Local Similarity 84.2%; Pred. No. 3.1e-45;  
Matches 208; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

Qy 754 TATGTGTGTTTTTCCCTTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACC 813  
Db 709 TACTTTTCTGCTTATCGTTTATAGATATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATC 768  
Qy 814 ATGATCAACCTGTAAAGCCCTTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCC 873  
Db 769 ATGATCAACCAAGTGAAGCCCTTGTATCGAGCAGTCTTCTGATGAAATTTGTCTATGCGCC 828  
Qy 874 ACAAGGAGCAAGCAGCTGCGATCAGCTGCCATGACCTCACCTGCTTCCAGCAGCTACT 933  
Db 829 ATAAGGAGCCCAAGCAGCTTTCGGGTTGCGCCACGACCTCACCTGCTTCCAGTACCACT 888  
Qy 934 CTATAGATGTGATTGGGTTCTGCTGACCTGTGTGGCACTGCTATATCTTGTTCACAA 993  
Db 889 CTTTGGATGTGACTGGGTTCTGCTGCTGCTGTGTGGCACTGTGATATTCATCATCAAA 948  
Qy 994 AATGTTTT 1000  
Db 949 AATGTCT 955

## RESULT 7

US-09-671-317-352  
; Sequence 352, Application US/09671317  
; Patent No. 6528260  
; GENERAL INFORMATION:  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Cohen, Annick  
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
; FILE REFERENCE: 62.US3.CIP  
; CURRENT APPLICATION NUMBER: US/09/671,317  
; CURRENT FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US 09/536,178  
; PRIOR FILING DATE: 2000-03-23  
; PRIOR APPLICATION NUMBER: PCT/IB00/00403  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/126,269  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/131,961  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 977  
; SOFTWARE: Patent.pm  
; SEQ ID NO 352  
; LENGTH: 1001  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: allele

LOCATION: 503  
OTHER INFORMATION: 10-471-84 : polymorphic base A or T  
NAME/KEY: misc\_binding  
LOCATION: 484..502  
OTHER INFORMATION: 10-471-84.misl  
NAME/KEY: misc\_binding  
LOCATION: 504..523  
OTHER INFORMATION: 10-471-84.mis2, potential complement  
NAME/KEY: primer\_bind  
LOCATION: 420..439  
OTHER INFORMATION: upstream amplification primer  
NAME/KEY: primer\_bind  
LOCATION: 788..807  
OTHER INFORMATION: downstream amplification primer, complement  
NAME/KEY: misc\_binding  
LOCATION: 491..515  
OTHER INFORMATION: 10-471-84 potential probe  
US-09-671-317-352

Query Match 18.2%; Score 182.6; DB 4; Length 1001;  
Best Local Similarity 83.4%; Pred. No. 9.5e-45;  
Matches 206; Conservative 1; Mismatches 40; Indels 0; Gaps 0;  
QY 754 TATGTGTGTTTTCCTTCCAGTTATAAGAGAGATGCTATGAGATTATCAAGAATTCACC 813  
DB 418 TACTTTTCGTTATCGTTTAGATATAAGAGATGCTATGAAATTCAGAATTCATC 477  
QY 814 ATGATCAACTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGCATGCGCC 873  
DB 478 ATGATCAACGAGTGAAGCCCTTGAWAGAGCAGTCTTCTGGATTGAATTTGTCAATGCGCC 537  
QY 874 ACAAGAGCCAGCACCTCGCATCAGCTGCCATGACCTCACCTGTTTCCAGCACTACT 933  
DB 538 ATAAAGAGCCAGCACCTTCGGGTTGCGAGCCACGACCTCACCTGTTTCCAGTACCACT 597  
QY 934 CTATAGATGTGATGGGTTCTGCTGACCTGTGTGGCAACTGTATATTTCTTTTCACAA 993  
DB 598 CTTTGATGTGACTGGGTTCTGCTGGCTGTGTGGCAACTGTATATTCATCATCACAA 657  
QY 994 AATGTTT 1000  
DB 658 AATGTCT 664

RESULT 8  
US-09-671-317-353  
Sequence 353, Application US/09671317  
Patent No. 6528260  
GENERAL INFORMATION:  
APPLICANT: Blumenfeld, Marta  
APPLICANT: Chumakov, Ilya  
APPLICANT: Bougueleret, Lydie  
APPLICANT: Cohen, Annick  
TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
FILE REFERENCE: 62 US3.CIP  
CURRENT APPLICATION NUMBER: US/09/671,317  
CURRENT FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: US 09/536,178  
PRIOR FILING DATE: 2000-03-23  
PRIOR APPLICATION NUMBER: PCT/IB00/00403  
PRIOR FILING DATE: 2000-03-24  
PRIOR APPLICATION NUMBER: US 60/126,269  
PRIOR FILING DATE: 1999-03-25  
PRIOR APPLICATION NUMBER: US 60/131,961  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 977  
SOFTWARE: Patent.prm  
SEQ ID NO 353  
LENGTH: 1001  
TYPE: DNA  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: allele

LOCATION: 503  
OTHER INFORMATION: 10-471-85 : polymorphic base A or C  
NAME/KEY: misc\_binding  
LOCATION: 483..502  
OTHER INFORMATION: 10-471-85.misl, potential  
NAME/KEY: misc\_binding  
LOCATION: 505..523  
OTHER INFORMATION: 10-471-85.mis2, complement  
NAME/KEY: primer\_bind  
LOCATION: 420..439  
OTHER INFORMATION: upstream amplification primer  
NAME/KEY: primer\_bind  
LOCATION: 788..807  
OTHER INFORMATION: downstream amplification primer, complement  
NAME/KEY: misc\_binding  
LOCATION: 491..515  
OTHER INFORMATION: 10-471-85 potential probe  
US-09-671-317-353

Query Match 18.1%; Score 181.4; DB 4; Length 1001;  
Best Local Similarity 83.4%; Pred. No. 2.2e-44;  
Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;  
QY 754 TATGTGTGTTTTCCTTCCAGTTATAAGAGAGATGCTATGAGATTATCAAGAATTCACC 813  
DB 418 TACTTTTCGTTATCGTTTAGATATAAGAGATGCTATGAAATTCAGAATTCATC 477  
QY 814 ATGATCAACTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGCATGCGCC 873  
DB 478 ATGATCAACGAGTGAAGCCCTTGAWAGAGCAGTCTTCTGGATTGAATTTGTCAATGCGCC 537  
QY 874 ACAAGAGCCAGCACCTCGCATCAGCTGCCATGACCTCACCTGTTTCCAGCACTACT 933  
DB 538 ATAAAGAGCCAGCACCTTCGGGTTGCGAGCCACGACCTCACCTGTTTCCAGTACCACT 597  
QY 934 CTATAGATGTGATGGGTTCTGCTGACCTGTGTGGCAACTGTATATTTCTTTTCACAA 993  
DB 598 CTTTGATGTGACTGGGTTCTGCTGGCTGTGTGGCAACTGTATATTCATCATCACAA 657  
QY 994 AATGTTT 1000  
DB 658 AATGTCT 664

RESULT 9  
US-09-949-016-12870  
Sequence 12870, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 12870  
LENGTH: 19732  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-12870  
Query Match 18.1%; Score 181.4; DB 4; Length 19732;  
Best Local Similarity 83.4%; Pred. No. 1.2e-43;  
Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy	754	TATGTGGTTTTTCCCTTAAAGAGAAATGCTATGAGATTATCAAGAAATTCACC	813
Db	16966	TACTTTTCTGCTTATCGTTTAGATATAAAGAGAAATGCTATGAAATATCAAGAAATTCATC	17025
Qy	814	ATGATCAACCTGTAAAGCCCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCC	873
Db	17026	ATGATCAACGAGTGAAGCCCCCTTGAAGAGCAGTCTTCTGGATTGAATTTGTTCATGCGCC	17085
Qy	874	ACAAAGAGGCAAGCAACCTGGCGATCAGCTGCCCATGACCTCACTCTGGTTTCAGACACTACT	933
Db	17086	ATAAAGAGGCAAGCAACCTTCGGGTTTGACAGCCACGACCTCACTCTGGTTCCAGTACCACT	17145
Qy	934	CTATAGATGTGATTGGGTTTCTGTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAA	993
Db	17146	CTTTGGATGTGACTGGTTTCTCTGTGGCCCTGTGTGGCAACTGTGATATTCATCATCACA	17205
Qy	994	AATGTTTT	1000
Db	17206	AATGTCT	17212

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RESULT 10
US-09-949-016-14923
; Sequence 14923, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14923
; LENGTH: 19732
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14923

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Query Match	18.1%;	Score 181.4;	DB 4;	Length 19732;
Best Local Similarity	83.4%;	Pred. No. 1.2e-43;		
Matches 206;	Conservative 0;	Mismatches 41;	Indels 0;	Gaps 0;
Qy	754	TATGTGTGTTTTCCCTTCCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCAACC	813	
Db	16966	TACTTTTTCTGCTTATCGTTTAGATATAAAGAGAATGCTATGAAATTATCAAGAAATTCATC	17025	
Qy	814	ATCATCAACTGTAAAGCCCCCTAGATCGAGCAGTCTCTCTGGATCGAGTTTGTTCATGCGCC	873	
Db	17026	ATGATCAACAGTGAAGCCCCCTTGAAGAGCAGTCTCTCTGGATTGAAATTGTTCATGCGCC	17085	
Qy	874	ACAAAGGAGCGAAGCACTGCGATCAGCTGCGCCATGACCTCACCTGGTTTCAGACACTACT	933	
Db	17086	ATAAAGGCGCAAGCACCTTCGGTTGCGAGCCACGACCTCACCTGGTTTCAGTACCACT	17145	
Qy	934	CTATAGATGTGATPTGGTTTCTGCTGACCTGTGTGGCACTGCTATATTCTTTGTTCAAA	993	
Db	17146	CTTTGGATGTGACTGGGTTCTCTGCGCCCTGTGTGGCACTGTGATATTTCATCATCAA	17205	
Qy	994	AATGTTTT 1000		
Db	17206	AATGTCT 17212		

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RESULT 11
US-09-949-016-14136
; NAME/AG1: CDS
; LOCATION: (38)...(1621)
US-09-356-806-7

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Search completed: April 4, 2005, 23:15:48  
Job time : 176.237 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

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(without alignments)

9687.302 Million cell updates/sec

Title: US-09-784-340-3\_COPY\_18000\_19000

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Sequence: 1 cgttcagtgagttatctcg.....tctgttcacaaatgtttt 1001

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Gapop 10.0 , Gapext 1.0

Searched: 5607317 seqs, 3026245999 residues

Total number of hits satisfying chosen parameters: 11214634

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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21: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
22: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	360.6	36.0	569	13	US-10-027-632-187724 Sequence 187724,
2	360.6	36.0	569	17	US-10-027-632-187724 Sequence 187724,
3	230.2	23.0	1620	14	US-10-158-646-45 Sequence 45, Appl
4	230.2	23.0	1636	9	US-09-981-353-165 Sequence 165, Appl
5	230.2	23.0	1636	17	US-10-258-080-11 Sequence 11, Appl
6	230.2	23.0	1705	17	US-10-114-270-51 Sequence 51, Appl
7	230.2	23.0	2966	9	US-09-981-353-33 Sequence 33, Appl
8	230.2	23.0	2974	13	US-10-052-586-521 Sequence 521, Appl
9	230.2	23.0	2974	14	US-10-174-590-521 Sequence 521, Appl
10	230.2	23.0	2974	14	US-10-176-758-521 Sequence 521, Appl
11	230.2	23.0	2974	14	US-10-175-737-521 Sequence 521, Appl

Query Match 36.0%; Score 360.6; DB 13; Length 569;

12	230.2	23.0	2974	14	US-10-174-581-521	Sequence 521, App
13	230.2	23.0	2974	14	US-10-176-483-521	Sequence 521, App
14	230.2	23.0	2974	14	US-10-176-749-521	Sequence 521, App
15	230.2	23.0	2974	14	US-10-176-914-521	Sequence 521, App
16	230.2	23.0	2974	14	US-10-176-915-521	Sequence 521, App
17	230.2	23.0	2974	14	US-10-173-708-521	Sequence 521, App
18	230.2	23.0	2974	14	US-10-175-738-521	Sequence 521, App
19	230.2	23.0	2974	14	US-10-175-752-521	Sequence 521, App
20	230.2	23.0	2974	14	US-10-176-483-521	Sequence 521, App
21	230.2	23.0	2974	14	US-10-176-757-521	Sequence 521, App
22	230.2	23.0	2974	14	US-10-176-913-521	Sequence 521, App
23	230.2	23.0	2974	14	US-10-180-552-521	Sequence 521, App
24	230.2	23.0	2974	14	US-10-180-552-521	Sequence 521, App
25	230.2	23.0	2974	14	US-10-173-700-521	Sequence 521, App
26	230.2	23.0	2974	14	US-10-174-572-521	Sequence 521, App
27	230.2	23.0	2974	14	US-10-174-579-521	Sequence 521, App
28	230.2	23.0	2974	14	US-10-174-582-521	Sequence 521, App
29	230.2	23.0	2974	14	US-10-174-588-521	Sequence 521, App
30	230.2	23.0	2974	14	US-10-175-739-521	Sequence 521, App
31	230.2	23.0	2974	14	US-10-175-740-521	Sequence 521, App
32	230.2	23.0	2974	14	US-10-175-743-521	Sequence 521, App
33	230.2	23.0	2974	14	US-10-176-488-521	Sequence 521, App
34	230.2	23.0	2974	14	US-10-176-492-521	Sequence 521, App
35	230.2	23.0	2974	14	US-10-176-747-521	Sequence 521, App
36	230.2	23.0	2974	14	US-10-176-750-521	Sequence 521, App
37	230.2	23.0	2974	14	US-10-176-985-521	Sequence 521, App
38	230.2	23.0	2974	14	US-10-176-987-521	Sequence 521, App
39	230.2	23.0	2974	14	US-10-176-993-521	Sequence 521, App
40	230.2	23.0	2974	14	US-10-176-993-521	Sequence 521, App
41	230.2	23.0	2974	14	US-10-184-658-521	Sequence 521, App
42	230.2	23.0	2974	14	US-10-176-991-521	Sequence 521, App
43	230.2	23.0	2974	14	US-10-173-695-521	Sequence 521, App
44	230.2	23.0	2974	14	US-10-173-697-521	Sequence 521, App
45	230.2	23.0	2974	14	US-10-173-705-521	Sequence 521, App

#### ALIGNMENTS

#### RESULT 1

US-10-027-632-187724  
; Sequence 187724, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 187724  
; LENGTH: 569  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-187724

Best Local Similarity 99.7%; Pred. No. 4e-80; Matches 360; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCTTCAGTGAGTTATCTCGTAATCCCATCTGAGTCTTTTAAATAATTTTAAAGTTTA 60  
Db |||||  
209 CGCTTCAGTGAGTTATCTCGTAATCCCATCTGAGTCTTTTAAATAATTTTAAAGTTTA 268  
QY 61 GAATAAATATCTCACATTTCTCATCCCAATTTACATCTAGTCTATCCCAAAACCAAG 120  
Db |||||  
269 GAATAAATATCTCACATTTCTCATCCCAATTTACATCTAGTCTATCCCAAAACCAAG 328  
QY 121 CTTTTATCACTCATGTGGGAATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 180  
Db |||||  
329 CTTTTATCACTCATGTGGGAATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 388  
QY 181 TGGTGGGAGTTCCCATATTTGGTGATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 240  
Db |||||  
389 TGGTGGGAGTTCCCATATTTGGTGATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 448  
QY 241 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 300  
Db |||||  
301 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 360  
QY 361 C 361  
Db |||||  
509 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 568  
Db |||||  
569 C 569

## RESULT 2

US-10-027-632-187724  
; Sequence 187724, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 187724  
; LENGTH: 569  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-187724

Query Match 36.0%; Score 360.6; DB 17; Length 569;  
Best Local Similarity 99.7%; Pred. No. 4e-80; Matches 360; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCTTCAGTGAGTTATCTCGTAATCCCATCTGAGTCTTTTAAATAATTTTAAAGTTTA 60  
Db |||||  
209 CGCTTCAGTGAGTTATCTCGTAATCCCATCTGAGTCTTTTAAATAATTTTAAAGTTTA 268

QY 61 GAATAAATATCTCACATTTCTCATCCCAATTTACATCTAGTCTATCCCAAAACCAAG 120  
Db |||||  
269 GAATAAATATCTCACATTTCTCATCCCAATTTACATCTAGTCTATCCCAAAACCAAG 328  
QY 121 CTTTTATCACTCATGTGGGAATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 180  
Db |||||  
329 CTTTTATCACTCATGTGGGAATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 388  
QY 181 TGGTGGGAGTTCCCATATTTGGTGATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 240  
Db |||||  
389 TGGTGGGAGTTCCCATATTTGGTGATCAATGGGATCTATGAAGCTATTTACCAGTGGGTCCTTA 448  
QY 241 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 300  
Db |||||  
301 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 360  
QY 361 C 361  
Db |||||  
509 GAGCAGCTGTAGAAATAAATTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTGA 568  
Db |||||  
569 C 569

## RESULT 3

US-10-158-646-45  
; Sequence 45, Application US/10158646  
; Publication No. US20030073105A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy K.W.  
; APPLICANT: Sornasse, Thierry  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0030-1 US  
; CURRENT APPLICATION NUMBER: US/10/158,646  
; PRIOR FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: 60/295,239  
; PRIOR FILING DATE: 2001-05-31  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: PERL Program  
; SEQ ID NO 45  
; LENGTH: 1620  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20030073105A1 480802.1  
US-10-158-646-45

Query Match 23.0%; Score 230.2; DB 14; Length 1620;  
Best Local Similarity 96.7%; Pred. No. 3.8e-47; Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 759 GTGTTTTTCCCTTCCAGTTATAAAGAGATGCTATGAGATTATCAAGATTTCACCATGAT 818  
Db |||||  
1317 GTCATTACGATTCTCTTATTAAGAGATGCTATGAGATTATCAAGATTTCACCATGAT 1376  
QY 819 CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTTCTGGATCGAGTTTGTCTATGCCCAAAA 878  
Db |||||  
1377 CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTTCTGGATCGAGTTTGTCTATGCCCAAAA 1436  
QY 879 GGAGCAAGCAGCTCGGATCAGCTGCCCATGACCTCAGCTGTTCCAGCAGTCTCTATA 938  
Db |||||  
1437 GGAGCAAGCAGCTCGGATCAGCTGCCCATGACCTCAGCTGTTCCAGCAGTCTCTATA 1496  
QY 939 GATGTGATTGGGTTCTCTGCTGACCTGTGTGGCACTGTATATTTCTTTTCAAAAATGT 998  
Db |||||  
1497 GATGTGATTGGGTTCTCTGCTGACCTGTGTGGCACTGTATATTTCTTTTCAAAAATGT 1556  
QY 999 TTT 1001  
Db |||||  
1557 TTT 1559

```
RESULT 4
US-09-981-353-165
; Sequence 165, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Laeak, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 165
; LENGTH: 1636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1
US-09-981-353-165

Query Match      23.0%; Score 230.2; DB 9; Length 1636;
Best Local Similarity 96.7%; Pred. No. 3.9e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      759 GTGTTTTTCCCTCCAGTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 818
DB      1314 GTCAATACCGATTCTCTTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373

QY      819 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878
DB      1374 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433

QY      879 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 938
DB      1434 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 1493

QY      939 GATGTGATTGGTTCCTGCTGACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 998
DB      1494 GATGTGATTGGTTCCTGCTGACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 1553

QY      999 TTT 1001
DB      1554 TTT 1556

RESULT 5
US-10-258-080-11
; Sequence 11, Application US/10258080
; Publication No. US20040029125A1
; GENERAL INFORMATION:
; APPLICANT: Incyte Genomics, Inc.
; APPLICANT: POLICKY, Jennifer L.
; APPLICANT: HAFALIA, April J.A.
; APPLICANT: BURFORD, Neil
; APPLICANT: RING, Huijun Z.
; APPLICANT: LAL, Preeti G.
; APPLICANT: TRIBOULEY, Catherine M.
; APPLICANT: YAO, Monique G.
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: ARVIZU, Chandra S.
; APPLICANT: DAS, Debopriya
; APPLICANT: SANJANWALA, Madhusudan M.
; APPLICANT: GANDHI, Ameena R.
; APPLICANT: REDDY, Roopa M.
; APPLICANT: KHAN, Farrah A.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: RAMKUMAR, Jayalaxmi
; APPLICANT: GRIFFIN, Jennifer A.
; APPLICANT: AU-YOUNG, Janice K.
```

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; TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
; FILE REFERENCE: PI-0070 USN
; CURRENT APPLICATION NUMBER: US/10/258,080
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/203,509
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/202,234
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/200,185
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/198,403
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US01/11869
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: US 60/197,590
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 1636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040029125A1 2434655CB1
US-10-258-080-11

Query Match      23.0%; Score 230.2; DB 17; Length 1636;
Best Local Similarity 96.7%; Pred. No. 3.9e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      759 GTGTTTTTCCCTCCAGTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 818
DB      1314 GTCAATACCGATTCTCTTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373

QY      819 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878
DB      1374 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433

QY      879 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 938
DB      1434 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 1493

QY      939 GATGTGATTGGTTCCTGCTGACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 998
DB      1494 GATGTGATTGGTTCCTGCTGACCTGCTGCGCAACTCTATATTTCTTTTTCACAAAATGT 1553

QY      999 TTT 1001
DB      1554 TTT 1556

RESULT 6
US-10-114-270-51
; Sequence 51, Application US/10114270
; Publication No. US20040030110A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles E.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Patturajan, Meera
; APPLICANT: Liu, Ziaohong
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Li, Li
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gorman, Linda
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Burgess, Catherine E.
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1	PRIOR APPLICATION NUMBER: 60/623225	1	PRIOR APPLICATION NUMBER: 60/0624103
2	PRIOR FILING DATE: 1997-10-17	2	PRIOR FILING DATE: 1997-10-31
3	PRIOR APPLICATION NUMBER: 60/0631120	3	PRIOR APPLICATION NUMBER: 60/0653111
4	PRIOR FILING DATE: 1997-10-17	4	PRIOR FILING DATE: 1997-11-13
5	PRIOR APPLICATION NUMBER: 60/0631121	5	PRIOR APPLICATION NUMBER: 60/066120
6	PRIOR FILING DATE: 1997-10-24	6	PRIOR FILING DATE: 1997-11-21
7	PRIOR APPLICATION NUMBER: 60/0631866	7	PRIOR APPLICATION NUMBER: 60/0664666
8	PRIOR FILING DATE: 1997-10-21	8	PRIOR FILING DATE: 1997-12-11
9	PRIOR APPLICATION NUMBER: 60/0635404	9	PRIOR APPLICATION NUMBER: 60/067450
10	PRIOR FILING DATE: 1997-10-28	10	PRIOR FILING DATE: 1998-03-10
11	PRIOR APPLICATION NUMBER: 60/0635411	11	PRIOR APPLICATION NUMBER: 60/07632
12	PRIOR FILING DATE: 1997-10-28	12	PRIOR FILING DATE: 1998-03-11
13	PRIOR APPLICATION NUMBER: 60/0637334	13	PRIOR APPLICATION NUMBER: 60/077649
14	PRIOR FILING DATE: 1997-10-29	14	PRIOR FILING DATE: 1998-03-11
15	PRIOR APPLICATION NUMBER: 60/063870	15	PRIOR APPLICATION NUMBER: 60/078886
16	PRIOR FILING DATE: 1997-10-31	16	PRIOR APPLICATION NUMBER: 60/078939
17	PRIOR APPLICATION NUMBER: 60/064103	17	PRIOR APPLICATION NUMBER: 60/080107
18	PRIOR FILING DATE: 1997-10-31	18	PRIOR APPLICATION NUMBER: 60/080194
19	PRIOR APPLICATION NUMBER: 60/0653111	19	PRIOR APPLICATION NUMBER: 60/080327
20	PRIOR FILING DATE: 1997-11-13	20	PRIOR FILING DATE: 1998-04-01
21	PRIOR APPLICATION NUMBER: 60/066120	21	PRIOR APPLICATION NUMBER: 60/081049
22	PRIOR FILING DATE: 1997-11-21	22	PRIOR APPLICATION NUMBER: 60/081049
23	PRIOR APPLICATION NUMBER: 60/0664666	23	PRIOR APPLICATION NUMBER: 60/081838
24	PRIOR FILING DATE: 1997-11-24	24	PRIOR APPLICATION NUMBER: 60/082568
25	PRIOR APPLICATION NUMBER: 60/067450	25	PRIOR APPLICATION NUMBER: 60/082569
26	PRIOR FILING DATE: 1998-03-10	26	PRIOR FILING DATE: 1998-04-21
27	PRIOR APPLICATION NUMBER: 60/07632	27	PRIOR APPLICATION NUMBER: 60/082704
28	PRIOR FILING DATE: 1998-03-11		
29	PRIOR APPLICATION NUMBER: 60/077649		
30	PRIOR FILING DATE: 1998-03-11		
31	PRIOR APPLICATION NUMBER: 60/078886		
32	PRIOR FILING DATE: 1998-03-20		
33	PRIOR APPLICATION NUMBER: 60/078939		
34	PRIOR FILING DATE: 1998-03-20		
35	PRIOR APPLICATION NUMBER: 60/080107		
36	PRIOR FILING DATE: 1998-03-27		
37	PRIOR APPLICATION NUMBER: 60/080327		
38	PRIOR FILING DATE: 1998-03-27		
39	PRIOR APPLICATION NUMBER: 60/080107		
40	PRIOR FILING DATE: 1998-03-31		
41	PRIOR APPLICATION NUMBER: 60/080194		
42	PRIOR FILING DATE: 1998-03-31		
43	PRIOR APPLICATION NUMBER: 60/080327		
44	PRIOR FILING DATE: 1998-04-01		
45	PRIOR APPLICATION NUMBER: 60/081049		
46	PRIOR FILING DATE: 1998-04-08		
47	PRIOR APPLICATION NUMBER: 60/081070		
48	PRIOR FILING DATE: 1998-04-08		
49	PRIOR APPLICATION NUMBER: 60/081195		
50	PRIOR FILING DATE: 1998-04-09		
51	PRIOR APPLICATION NUMBER: 60/081838		
52	PRIOR FILING DATE: 1998-04-15		
53	PRIOR APPLICATION NUMBER: 60/082568		
54	PRIOR FILING DATE: 1998-04-21		
55	PRIOR APPLICATION NUMBER: 60/082569		
56	PRIOR FILING DATE: 1998-04-21		
57	PRIOR APPLICATION NUMBER: 60/082704		





Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 1373  
Qy 819 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAAA 878  
Db 1374 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAAA 1433  
Qy 879 GGAGCCAAAGCACTGCGATCAGCTGCGCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 938  
Db 1434 GGAGCCAAAGCACTGCGATCAGCTGCGCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 1493  
Qy 939 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTGTTCACAAAATGT 998  
Db 1494 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTGTTCACAAAATGT 1553  
Qy 999 TTT 1001  
Db 1554 TTT 1556

RESULT 11  
US-10-175-737-521  
; Sequence 521, Application US/10175737  
; Publication No. US20030013153A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: F3430R1C41  
; CURRENT FILING DATE: 2002-06-18  
; PRIOR APPLICATION NUMBER: US/10/175,737  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-24  
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; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
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; PRIOR FILING DATE: 1997-10-28  
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; PRIOR FILING DATE: 1997-10-28  
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; PRIOR APPLICATION NUMBER: 60/063564  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063734  
; PRIOR FILING DATE: 1997-10-29  
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; PRIOR FILING DATE: 1997-10-31  
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; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069425  
; PRIOR FILING DATE: 1997-12-12  
; PRIOR APPLICATION NUMBER: 60/069870  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/068017  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/077450  
; PRIOR FILING DATE: 1998-03-10  
; PRIOR APPLICATION NUMBER: 60/077632  
; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/077649  
; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/078886  
; PRIOR FILING DATE: 1998-03-20

Query Match 23.0%; Score 230.2; DB 14; Length 2974;  
Best Local Similarity 96.7%; Pred. No. 5.2e-47;  
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
Qy 759 GTGTTTTCCCTTCCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 818  
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 1373  
Qy 819 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAAA 878  
Db 1374 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAAA 1433  
Qy 879 GGAGCCAAAGCACTGCGATCAGCTGCGCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 938  
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Qy 939 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTGTTCACAAAATGT 998  
Db 1494 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTGTTCACAAAATGT 1553  
Qy 999 TTT 1001  
Db 1554 TTT 1556

RESULT 12  
US-10-174-581-521  
; Sequence 521, Application US/10174581  
; Publication No. US20030017540A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: F3430R1C41  
; CURRENT FILING DATE: 2002-06-18  
; PRIOR APPLICATION NUMBER: US/10/174,581  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/062250  
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; PRIOR APPLICATION NUMBER: 60/063121  
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; PRIOR APPLICATION NUMBER: 60/069425  
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; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/068017  
; PRIOR FILING DATE: 1997-12-18  
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; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/077649  
; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/078886  
; PRIOR FILING DATE: 1998-03-20

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; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
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; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match      23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      759  GTGTTTTCCTTCAGTTATTAAGAGATGCTATGAGATTATCAAGATTTCACCATGAT 818
Db      1314  GTCATTACCGATTCTCTTATTAAGAGATGCTATGAGATTATCAAGATTTCACCATGAT 1373

QY      819  CAACTGTAAAGCCCTTAGATCGAGCAGTCTTCTTGATGAGTGTTCATGCGCCACAAA 878
Db      1374  CAACTGTAAAGCCCTTAGATCGAGCAGTCTTCTTGATGAGTGTTCATGCGCCACAAA 1433

QY      879  GGAGCCAGCACCTGGGATCAGCTGCCATGACCTCCTGTTCCAGCACTACTCTATA 938
Db      1434  GGAGCCAGCACCTGGGATCAGCTGCCATGACCTCCTGTTCCAGCACTACTCTATA 1493
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QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGT 998  
Db 1494 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGT 1553  
QY 999 TTT 1001  
Db 1554 TTT 1556

## RESULT 13

US-10-176-483-521  
; Sequence 521, Application US/10176483  
; Publication No. US20030017541A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C68  
; CURRENT APPLICATION NUMBER: US/10/176,483  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-483-521

Query Match 23.0%; Score 230.2; DB 14; Length 2974;  
Best Local Similarity 96.7%; Pred. No. 5.2e-47;  
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
QY 759 GTGTTTTTCCCTCCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 818  
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 1373  
QY 819 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878  
Db 1374 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433  
QY 879 GGAGCCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 938  
Db 1434 GGAGCCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 1493  
QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGT 998  
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QY 999 TTT 1001  
Db 1554 TTT 1556

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US-10-176-749-521  
; Sequence 521, Application US/10176749  
; Publication No. US20030017542A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C76  
; CURRENT APPLICATION NUMBER: US/10/176,749  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-749-521

Query Match 23.0%; Score 230.2; DB 14; Length 2974;  
Best Local Similarity 96.7%; Pred. No. 5.2e-47;  
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
QY 759 GTGTTTTTCCCTCCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 818  
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 1373  
QY 819 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878  
Db 1374 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433  
QY 879 GGAGCCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 938  
Db 1434 GGAGCCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 1493  
QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGT 998  
Db 1494 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGT 1553  
QY 999 TTT 1001  
Db 1554 TTT 1556

## RESULT 15

US-10-176-914-521  
; Sequence 521, Application US/10176914  
; Publication No. US20030017543A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C83  
; CURRENT APPLICATION NUMBER: US/10/176,914  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 521  
; LENGTH: 2974  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-176-914-521

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Query Match      23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 759 GTGTTTTCCTTCCAGTTATAAAGAGATGCTATGAGATTATCAAGAATTCAACCATGAT 818
Db 1314 GTCAATACCGATTCTCTTTATAAAGAGATGCTATGAGATTATCAAGAATTCAACCATGAT 1373

QY 819 CAACCTGTAAGCCCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCCCAAAA 878
Db 1374 CAACCTGTAAGCCCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCCCAAAA 1433

QY 879 GGAGCCCAAGCACCTGGGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 938
Db 1434 GGAGCCCAAGCACCTGGGATCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA 1493

QY 939 GATGTGATTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTGTTCAAAAATGT 998
Db 1494 GATGTGATTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTGTTCAAAAATGT 1553

QY 999 TTT 1001
Db 1554 TTT 1556

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Job time : 626.411 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 175.237 Seconds  
(without alignments)  
9346.853 Million cell updates/sec

Title: US-09-784-340-3\_COPY\_5000\_6000

Perfect score: 1001

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.\*

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5: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq.\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	95.2	9.5	44166	4	US-09-949-016-15829
4	95.2	9.5	54180	4	US-09-949-016-14894
5	94.4	9.4	260247	4	US-09-949-016-13358
6	91.8	9.2	237510	4	US-09-949-016-14273
7	91.4	9.1	360470	4	US-09-949-016-13173
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16	87.4	8.7	151295	4	US-09-949-016-14570
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c 29 87.4 8.7 818128 4 US-09-949-016-14553 Sequence 14553, A  
c 30 87.4 8.7 818128 4 US-09-949-016-14554 Sequence 14554, A  
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c 43 86.8 8.7 343352 4 US-09-949-016-13498 Sequence 13498, A  
c 44 86.6 8.7 21125 4 US-09-949-016-15108 Sequence 15108, A  
c 45 84.8 8.5 360470 4 US-09-949-016-13173 Sequence 13173, A

## ALIGNMENTS

### RESULT 1

US-09-573-080A-148

; Sequence 148, Application US/09573080A

; Patent No. 6828097

; GENERAL INFORMATION:

; APPLICANT: JOAN, KNOLL

; APPLICANT: ROGAN, PETER

; TITLE OF INVENTION: SINGLE COPY GENOMIC HYBRIDIZATION PROBES AND METHOD OF GENERATI

; FILE REFERENCE: 30307

; CURRENT APPLICATION NUMBER: US/09/573,080A

; CURRENT FILING DATE: 2000-05-16

; NUMBER OF SEQ ID NOS: 479

; SOFTWARE: Patent in version 3.0

; SEQ ID NO 148

; LENGTH: 2418

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: repeat\_region

; LOCATION: (1)..(2418)

; OTHER INFORMATION: trigger1

; PUBLICATION INFORMATION:

; AUTHORS: Jurka, J; Walchiewicz, J; Milosavljevic, A

; TITLE: Prototypic sequences for human repetitive DNA

; JOURNAL: Journal of Molecular Evolution

; VOLUME: 35

; ISSUE: 4

; PAGES: 286-291

; DATE: 1992-10-

; DATABASE ACCESSION NUMBER: Database of repetitive elements (repbase)

; DATABASE ENTRY DATE: 1996-01-26

; US-09-573-080A-148

Query Match 10.4%; Score 104; DB 4; Length 2418;

Best Local Similarity 73.2%; Pred. No. 6.8e-15;

Matches 164; Conservative 0; Mismatches 50; Indels 10; Gaps 2;

Qy 1 GCTTATTATTAGCACATTTTATAGGCATA-----CTTTAACTAAGGTATGTCATTCTT 54

Db 2195 GATGATCGTTAGCATTTTATAGCAATAAGTATTTTAAATTAAGGTATGTACATTGTTT 2254

Qy 55 TTTTAAACGTGATGATTTGCACAGCTAATACCTACAGGTATGTTTAACATACTTTTA 114

Db 2255 TTTTACATAATGCTATTGTCACACTTAATAGCTACAGTATAGCGTAACATACTTTTA 2314

Qy 115 TATGTCCTGGGACCC-----AAATTTGTGTAACATTTTATGACATATTCCTTTTATG 170

Db 2315 TATGCATCGGAAACCAAAATAATTCGTGCTCGCTTTTATTCGATATTCGCTTTTATG 2374



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RESULT 6
US-09-949-016-14273
; Sequence 14273, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14273
; LENGTH: 237510

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Query Match	9.1%	Score 91.4	DB 4	Length 360470
Best Local Similarity	67.8%	Pred. No. 2.4e-11		
Matches 162	Conservative 0	Mismatches 66	Indels 11	Gaps 2
Qy	1	GCTTATTATTAGCACGTTTTTGGCCATA-----CTTTTAACTAAGGTATGTGCATTCCT	53	
Db	253743	GATAATTGTTAGCATTTTTTGTAGCATTAAGTATTTTTTAATTAAAGGTATGTACATTCGT	253801	
Qy	54	TTTTTAAACGTGATGATATTGGACACGCTAATAGCCCTACAAAGGTATGGTTAAACATTAACCTTTT	113	
Db	253803	ATTTTTACATAATACTATTTTTCACACTTAATAGACTACAGAAATAGCGTAAACATAACTCTTT	253861	
Qy	114	ATATGTCCTGGGACCC---AAATTGGTGGTAACACACTTTATTGACATATATCCCTTTTATT	169	
Db	253863	ACATGCACTGGCTAAACAGAAAATTTGGTGGTAAATCCTGCTGACTGCAATPACTCAGTTTAAT	253921	
Qy	170	GAGATGAACGCAACTTATCTTTGCAATATCTCCAAAGATATGTGTGATGGCAATTTCAA	228	
Db	253923	GGCGTAGCTCTGAACTAAACCCCTGCAATATCTTAAAGTATCCCTGTAATTCACITTTAA	253981	

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12455
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12455

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Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATGACACTTTTAGCCAT-----ACTTTTAAGTATGTCATTCCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGATCATTTGTT 26360
QY 56 TTAAACGTGATGATATGTCACAGCTTAATAGCCTCAAGGTATGGTTAAACATAAATTTTAT 115
DB 26361 TCAGACATAATGCTATTGTCACACTTAATAGGCTCAATATAGTGCACAAACATAAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTTATG 170
DB 26421 ATGCATTAGAAAATTTAAAAAATTCATGTGAGTTGCTTTTATGTTTATTCACATTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTTCGAATATCTCAAGATATGTGTATGGCATTTTCAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGATATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTTAAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGATTCCTACTATAAATCAATTTTACTATTACATTTGTATATAATTATG 26599
QY 291 TTTATCCTTTGTTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26636

RESULT 9
US-09-949-016-13905
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905

Query Match          9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATGACACTTTTAGCCAT-----ACTTTTAAGTATGTCATTCCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGATCATTTGTT 26360
QY 56 TTAAACGTGATGATATGTCACAGCTTAATAGCCTCAAGGTATGGTTAAACATAAATTTTAT 115
DB 26361 TCAGACATAATGCTATTGTCACACTTAATAGGCTCAATATAGTGCACAAACATAAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTTATG 170
DB 26421 ATGCATTAGAAAATTTAAAAAATTCATGTGAGTTGCTTTTATGTTTATTCACATTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTTCGAATATCTCAAGATATGTGTATGGCATTTTCAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGATATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTTAAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGATTCCTACTATAAATCAATTTTACTATTACATTTGTATATAATTATG 26599
QY 291 TTTATCCTTTGTTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26636

RESULT 9
US-09-949-016-13905
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905

Query Match          9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATGACACTTTTAGCCAT-----ACTTTTAAGTATGTCATTCCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGATCATTTGTT 26360
QY 56 TTAAACGTGATGATATGTCACAGCTTAATAGCCTCAAGGTATGGTTAAACATAAATTTTAT 115
DB 26361 TCAGACATAATGCTATTGTCACACTTAATAGGCTCAATATAGTGCACAAACATAAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTTATG 170
DB 26421 ATGCATTAGAAAATTTAAAAAATTCATGTGAGTTGCTTTTATGTTTATTCACATTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTTCGAATATCTCAAGATATGTGTATGGCATTTTCAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGATATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTTAAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGATTCCTACTATAAATCAATTTTACTATTACATTTGTATATAATTATG 26599
QY 291 TTTATCCTTTGTTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26636
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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13905
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Query Match          9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATGACACTTTTAGCCAT-----ACTTTTAAGTATGTCATTCCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGATCATTTGTT 26360
QY 56 TTAAACGTGATGATATGTCACAGCTTAATAGCCTCAAGGTATGGTTAAACATAAATTTTAT 115
DB 26361 TCAGACATAATGCTATTGTCACACTTAATAGGCTCAATATAGTGCACAAACATAAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTTATG 170
DB 26421 ATGCATTAGAAAATTTAAAAAATTCATGTGAGTTGCTTTTATGTTTATTCACATTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTTCGAATATCTCAAGATATGTGTATGGCATTTTCAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGATATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTTAAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGATTCCTACTATAAATCAATTTTACTATTACATTTGTATATAATTATG 26599
QY 291 TTTATCCTTTGTTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26636
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RESULT 10
US-09-949-016-13906
; Sequence 13906, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13906
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-13906
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Query Match          9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATGACACTTTTAGCCAT-----ACTTTTAAGTATGTCATTCCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGATCATTTGTT 26360
QY 56 TTAAACGTGATGATATGTCACAGCTTAATAGCCTCAAGGTATGGTTAAACATAAATTTTAT 115
DB 26361 TCAGACATAATGCTATTGTCACACTTAATAGGCTCAATATAGTGCACAAACATAAATTTAT 26420
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RESULT 12

Query Match 8.7%; Score 87.4; DB 4; Length 92387;  
Best Local Similarity 72.3%; Pred. No. 1.4e-10;  
Matches 141; Conservative 0; Mismatches 51; Indels 3; Gaps 2;

Qy	26	TAC	TTTTAACTAAGGTATGTGCATTCCTTTTTAA-ACGTGATGATATTGCA	CAGCTAATA	84
Db	20613	TAT	TTTTAAATTAAGGTATGTACATTCGTTTTTAAAGACATAATGCTGTTG	CACACTTACTA	20554
Qy	85	GCT	CACAAGGTATGGTTACATCAATCTTTTATATGTCCTGGGACCGAA--	ATTGTGTGCA	142
Db	20553	GACT	TACATTATAGAGTAAACATAACTTATATGCTAGAAAACCAAAACACT	TGTGTGAC	20494
Qy	143	TCAC	TTTTATTGACATATTCCTTTTATTGAGATGAACTGCAACTTATCTTG	CAATATCTCC	202
Db	20493	TTAC	TTTTATTGTCATATTTGCTTTTACTGAAGTTCCTGGAATGAACTGAA	AAATCTCC	20434
Qy	203	AAG	ATATGTGTGAT	217	
Db	20433	AAG	TATGTCGTAT	20419	

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 23:01:34 ; Search time 625.411 Seconds  
(without alignments)  
9687.302 Million cell updates/sec

Title: US-09-784-340-3\_COPY\_5000\_6000

Perfect score: 1001

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5607317 seqs, 3026245999 residues

Total number of hits satisfying chosen parameters: 11214634

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications NA:\*
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  - 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
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  - 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*
  - 19: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
  - 20: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
  - 21: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	104	10.4	2418	10	US-09-854-867-148 Sequence 148, App
2	104	10.4	2418	17	US-10-786-970A-148 Sequence 148, App
3	95.8	9.6	418550	17	US-10-292-798-1463 Sequence 1463, App
c 4	94.4	9.4	277616	18	US-10-367-094-83 Sequence 83, App
5	93.8	9.4	459	18	US-10-674-124A-8733 Sequence 8733, App
c 6	91.4	9.1	405660	18	US-10-322-696-82 Sequence 82, App
7	89.8	9.0	146778	19	US-10-741-600-17710 Sequence 17710, A
8	89.5	9.0	464	18	US-10-674-124A-3695 Sequence 3695, App
9	88.8	8.9	586	13	US-10-027-632-246784 Sequence 246784, A
10	88.8	8.9	586	17	US-10-027-632-246784 Sequence 246784, A
11	88.8	8.9	646	13	US-10-027-632-251256 Sequence 251256, A

12	88.8	8.9	646	13	US-10-027-632-251257	Sequence 251257, A
13	88.8	8.9	646	17	US-10-027-632-251256	Sequence 251256, A
14	88.8	8.9	646	17	US-10-027-632-251257	Sequence 251257, A
c 15	87.2	8.7	101569	18	US-10-717-597-10	Sequence 10, Appl
16	87.2	8.7	130030	18	US-10-719-993-6986	Sequence 6986, Ap
c 17	87.2	8.7	133757	18	US-10-719-993-6939	Sequence 6939, Ap
18	87.2	8.7	1790242	18	US-10-719-993-6940	Sequence 6940, Ap
c 19	86.2	8.6	309996	18	US-10-719-993-6785	Sequence 6785, Ap
20	85.4	8.5	434	13	US-10-027-632-2011	Sequence 2011, Ap
21	85.4	8.5	434	17	US-10-027-632-2011	Sequence 2011, Ap
22	84	8.4	461	9	US-09-864-761-10989	Sequence 10989, A
c 23	83.4	8.3	32176	9	US-09-764-869-1953	Sequence 1953, Ap
c 24	83.4	8.3	32176	14	US-10-091-504-1953	Sequence 1953, Ap
c 25	83.4	8.3	32176	17	US-10-227-577-1953	Sequence 1953, Ap
c 26	83.4	8.3	32178	9	US-09-764-869-1954	Sequence 1954, Ap
c 27	83.4	8.3	32178	14	US-10-091-504-1954	Sequence 1954, Ap
c 28	83.4	8.3	32178	17	US-10-227-577-1954	Sequence 1954, Ap
c 29	83.4	8.3	32191	9	US-09-764-869-1955	Sequence 1955, Ap
c 30	83.4	8.3	32191	14	US-10-091-504-1955	Sequence 1955, Ap
c 31	83.4	8.3	32191	17	US-10-227-577-1955	Sequence 1955, Ap
c 32	82.8	8.3	405	13	US-10-027-632-55740	Sequence 55740, A
c 33	82.8	8.3	405	13	US-10-027-632-315462	Sequence 315462, A
c 34	82.8	8.3	405	17	US-10-027-632-55740	Sequence 55740, A
c 35	82.8	8.3	405	17	US-10-027-632-315462	Sequence 315462, A
c 36	82.8	8.3	4943	15	US-10-084-817-248	Sequence 248, App
c 37	82.8	8.3	91697	18	US-10-417-375-36	Sequence 36, Appl
c 38	82.6	8.3	357652	18	US-10-322-696-34	Sequence 34, Appl
c 39	82.4	8.2	341	18	US-10-723-860-4296	Sequence 4296, Ap
c 40	82.4	8.2	680	18	US-10-723-860-8138	Sequence 8138, Ap
41	82.4	8.2	198522	13	US-10-087-192-244	Sequence 244, App
42	82.2	8.2	548	16	US-10-029-386-6621	Sequence 6621, Ap
43	81.6	8.2	620	13	US-10-027-632-199412	Sequence 199412, A
44	81.6	8.2	620	13	US-10-027-632-199413	Sequence 199413, A
45	81.6	8.2	620	17	US-10-027-632-199412	Sequence 199412, A

ALIGNMENTS

RESULT 1

US-09-854-867-148

; Sequence 148, Application US/09854867

; Publication No. US20030224356A1

; GENERAL INFORMATION:

; APPLICANT: JOAN, KNOLL H

; APPLICANT: ROGAN, PETER K

; TITLE OF INVENTION: SINGLE COPY GENOMIC HYBRIDIZATION PROBES AND METHOD OF GENERATING

; FILE REFERENCE: 30307

; CURRENT APPLICATION NUMBER: US/09/854, 867

; CURRENT FILING DATE: 2003-05-08

; NUMBER OF SEQ ID NOS: 613

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 148

; LENGTH: 2418

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: repeat region

; LOCATION: (1)...(2418)

; OTHER INFORMATION: trigger1

; US-09-854-867-148

Query Match 10.4%; Score 104; DB 10; Length 2418;

Best Local Similarity 73.2%; Pred. No. 11e-10;

Matches 164; Conservative 0; Mismatches 50; Indels 10; Gaps 2;

Qy 1 GCTTATTATTAGCACTTTTAGCCATA-----CTTTTAAGTATGTCATTGCTT 54

Db 2195 GATGATCGTTAGCATTTTGTAGCAATAAGTATTTTAAATTAAGGTATGTCATTGTTT 2254

Qy 55 TTTAAACGTCATGATATTGTCACAGCTTAATAGCTACAGGTATGTTAACTACTTTTA 114

Db 2255 TTTAGACATAATGCTATTGTCACACTTTAATAGACTACAGTATAGCGTAACATACTTTTA 2314



FEATURE:  
NAME/KEY: CDS  
LOCATION: (415032)..(415149)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (418185)..(418350)  
US-10-292-798-1463

Query Match 9.6%; Score 95.8; DB 17; Length 418550;  
Best Local Similarity 59.2%; Pred. No. 3.1e-08;  
Matches 202; Conservative 0; Mismatches 132; Indels 7; Gaps 2;  
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Db 362942 TATTTTAAATTAAGTATGATATGTTTGTAGACATAATGCTACTGCGACATTAATAG 363001  
Qy 86 CCTACAAGGTATGTTAAACATACTTTTATATGCTCTGGGA---CCCAATTTCTGTGAA 142  
Db 363002 AATAGCTATAGTGTCAACATACTTTTATGACACATGCGGAAACCAAAATTTGTGGC 363061  
Qy 143 TCACTTTTATGACATATTCCTTTTATTTAGATGAACCTGCAACTTATCTTGCATATCTCC 202  
Db 363062 TCACTGTATTGAGATATCCACTTTTATTTGCACTGCTGGAATCTAACCTGCGATCTTT 363121  
Qy 203 AGATATGCTGTATGCAATTCGAATGAATGGAATATTTTATTTAGTATTAAGCAAGC 262  
Db 363122 GAGGTGTCCTGTATAGGAAGCAAGTGATTTTGTG---TATATTGCTTAATATCTGA 363177  
Qy 263 AAATTTAAATTTCTTCTTTGATCATCTTTATCTTTGTTACTGTGATTTATCTTTAA 322  
Db 363178 AACTTCTATATTAATCTGTGTTTCCAGAGTTTGTGTTGATTTTGTGGACTTTC 363237  
Qy 323 ACATTGAATGACTCCAATTTGTTTAAACCTGAGTCTTTCTTA 363  
Db 363238 TATATAGACGATCATGTCATTTGCAACAGACAAATTTTA 363278

RESULT 4  
US-10-367-094-83/c  
Sequence 83, Application US/10367094  
Publication No. US20040170982A1  
GENERAL INFORMATION:  
APPLICANT: David W. Morris  
TITLE OF INVENTION: Novel  
FILE REFERENCE: 529452001500  
CURRENT APPLICATION NUMBER: US/10/367,094  
CURRENT FILING DATE: 2003-02-14  
NUMBER OF SEQ ID NOS: 203  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 83  
LENGTH: 277616  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-367-094-83  
Query Match 9.4%; Score 94.4; DB 18; Length 277616;  
Best Local Similarity 65.2%; Pred. No. 5.1e-08;  
Matches 172; Conservative 0; Mismatches 86; Indels 6; Gaps 2;  
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Db 173591 TATTTTAAATTAAGGTATGATATGTTTATAGACCTAAATGCTATCGCACACTTAA 173532  
Qy 84 AGCTACAAGGTATGTTAAACATACTTTTATATGCTCTGGACCC---AAATTTGTGT 139  
Db 173531 AGACTACAGTATAGTGTAAACATAACCTTTTATATGATGTAGTGGAAACAAAAGTTGTGT 173472  
Qy 140 GAATCACTTTTATGACATATTCCTTTTATTTAGATGAACCTGCAACTTATCTTGAATATC 199  
Db 173471 GATTCACCTTTTATTTGATATTCACCTTTTATTTGTGGTGTCTGGAACTAAACCTGCAATTC 173412  
Qy 200 TCCAAGATATGTGTATGGCAATTTCAAAATGAAGATGAAATTTATTTTATAGTATATAA 259

Db 173411 TCCAAGGTATGCTGTATCTCTAATCAAGAAGCTGGCATTTCAAAAGTAGGTACAGAAA 173352  
Qy 260 AGCAAAATTTAATTTTCTTTCTCTTT 283  
Db 173351 TTAGGTTTTTTTTTTTTTTTTTTTT 173328  
RESULT 5  
US-10-674-124A-8733  
Sequence 8733, Application US/10674124A  
Publication No. US20040197797A1  
GENERAL INFORMATION:  
APPLICANT: INOKO, Hidetoshi  
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE  
FILE REFERENCE: ORIN-003CIP  
CURRENT APPLICATION NUMBER: US/10/674,124A  
CURRENT FILING DATE: 2003-09-26  
PRIOR APPLICATION NUMBER: 10/257,511  
PRIOR FILING DATE: 2003-03-07  
PRIOR APPLICATION NUMBER: PCT/JP00/07621  
PRIOR FILING DATE: 2000-10-30  
PRIOR APPLICATION NUMBER: JP2000-112699  
PRIOR FILING DATE: 2000-04-13  
PRIOR APPLICATION NUMBER: JP2002-327516  
PRIOR FILING DATE: 2002-09-28  
PRIOR APPLICATION NUMBER: JP2002-383869  
PRIOR FILING DATE: 2002-12-09  
NUMBER OF SEQ ID NOS: 27110  
SEQ ID NO 8733  
LENGTH: 459  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: chr5.fa.O7frz.104095493  
FEATURE:  
OTHER INFORMATION: Located on chromosome 5  
FEATURE:  
OTHER INFORMATION: Distance between a terminus base of telomere on  
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base  
OTHER INFORMATION: sequence : 90463926  
FEATURE:  
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of  
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and  
OTHER INFORMATION: 5'-terminus of this base sequence : 374004  
US-10-674-124A-8733  
Query Match 9.4%; Score 93.8; DB 18; Length 459;  
Best Local Similarity 70.4%; Pred. No. 6.5e-09;  
Matches 140; Conservative 0; Mismatches 57; Indels 2; Gaps 1;  
Qy 26 TACTTTTAACTAAGGTATGCGATTCCTTTTAAACGTGATGATATTCGACAGCTAATAG 85  
Db 188 TATTTTAAATTAAGTATGATGATGTTTGTGACATAATGCTATTCGACACTTAATAG 247  
Qy 86 CCTACAAGGTATGTTAAACATACTTTTATATGCTCTGGACCCAAATTTGTGTGAATCA 145  
Db 248 ACTACAGTATAGTGAACCTAAGTGTATGTCACCTGGAA--AACTTTGTGTGACTCA 305  
Qy 146 CTTTATTTGACATATTCCTTTTATTTAGATGAACCTGCAACTTATCTTGAATATCTCCAAG 205  
Db 306 GTTATTTGAATATTCACCTTTTATTTGTGCTCTGGACCAACCTGACATATCTCTGAA 365  
Qy 206 ATATGTGTGTATGCGATTT 224  
Db 366 GTATGCTTAAATAGGCTAT 384

RESULT 6  
US-10-322-696-82/c  
Sequence 82, Application US/10322696

```
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 405660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(405660)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-82

Query Match
  9.1%; Score 91.4; DB 18; Length 405660;
Best Local Similarity 63.9%; Pred. No. 2.3e-07;
Matches 154; Conservative 0; Mismatches 86; Indels 1; Gaps 1;

QY 29 TTTTAACTAAGCTATGTGCAT-TCCTTTTAAACGTGATGATATGCACAGCTAATAGCC 87
DB 220428 TCTTATTTAAGGTATGTAGATATGTTTTTGTGACAGCATGTTATTGCACACATTAATAGAC 220369

QY 88 TACAAGGTATGTTAAACATAACTTTTATATGTCCTGGGACCCAAATTTGTGTGAATCACT 147
DB 220368 TACAATATAGTAAACATAACTTTTATATGCTGCGGAACAAAATTTGTGTGATTGA 220309

QY 148 TTATTGACATATTCCTTTTATTGAGATGAACATGCAACTTATCTTGAATATCTCAAGAT 207
DB 220308 CTTTATTGTCATCTTTATTGCGATGCTGCTGAAATCAAACCTGCAATATCTCAAGT 220249

QY 208 ATGTGTGATGCACTTCAATTAAGTGTGAATTTTATTAGTATAAAGCAAAAT 267
DB 220248 ATGTCATATGTTGTTTGAATTTAAATATGTTTATTGCTGTTCAATTTTTCAAAAT 220189

QY 268 T 268
DB 220188 T 220188

RESULT 7
US-10-741-600-17710
; Sequence 17710, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17710
; LENGTH: 146778
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-17710

Query Match
  9.0%; Score 89.8; DB 19; Length 146778;
Best Local Similarity 60.5%; Pred. No. 3.3e-07;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATTATAGCACTTTTATAGCCAT-----ACTTTTAACTAAGGTATGTGATGTCATCTTTT 55
DB 99269 GATGATTGTTAGCATCTTTTATAGCAATAAACAATTTTCAATTAATCTGTGTATACATTTGTT 99328

QY 56 TTAAACGTGATGATATGTCACAGCTAATAGCCTACAAGGTATGGTTTAAACATAACTTTTAT 115
```

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DB 99329 TCAGACATAATGCTATTGACACACTTAATAGGCTCAATATAGTGCACACATAACTTTTAT 99388
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTGAATCACTTTTATGACATATTCCTTTTATG 170
DB 99389 ATGCATTAGAAAATTTAAAAAAATTCATGTGAGTTGCTTTATTTGTTTATTCACCTTTATG 99448
QY 171 AGATGAACCTGCAACTTATCTTGCATATCTCCAGATATGTTGATGGCATTTCAAATA 230
DB 99449 TGGCAATCTGGAACCAACAGTCAATGTCTCTGAGATATGCTATACATTA-GTGTTACA 99507
QY 231 AGATGTGAATTTATTTTATTAGTATAAAAAAGCAAAATTTTAAATTTCTTTCCCTTTGATCATC 290
DB 99508 CAATATGTTTGAATTCCTACTATATAAAATCATTTTACTATTACATTTGTTATATTAATG 99567
QY 291 TTTATCCTTTGTTACTGTGTTATTTTATCCTTTAAACATT 327
DB 99568 TAAATCTTTTATACCCTGAACCACTGCGCTTATCATT 99604

RESULT 8
US-10-674-124A-3695
; Sequence 3695, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 3695
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: ACO19201.2_122726
; FEATURE:
; OTHER INFORMATION: Located on chromosome 2
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 156371502
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 90344
US-10-674-124A-3695

Query Match
  9.0%; Score 89.6; DB 18; Length 464;
Best Local Similarity 60.0%; Pred. No. 4.5e-08;
Matches 168; Conservative 0; Mismatches 109; Indels 3; Gaps 1;

QY 3 TTATTATTAGCACTTTTATAGCCATCTTTTAACTAAGGTATGTGATGTCATCTTTTAAACG 62
DB 76 TGAACATTAGCATTTTAGCAATAAGTATTTTGAATTAAGTAGTATATTTTATTTAGACA 135
QY 63 TGATCATATGTCACAGCTTAATAGCCATAAGGTATGGTTTAACATTAACCTTTTATATGCTCT 122
DB 136 TAATGTTCTTGTCACCTTAAATAGACTACAGTATAGTAAATATAAATACTTGTATATGCTCT 195
```

RESULT 10  
US-10-027-632-246784  
; Sequence 246784, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.

```

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 246784
; LENGTH: 586
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-246784

Query Match      8.9%; Score 88.8; DB 17; Length 586;
Best Local Similarity 69.8%; Pred. No. 7e-08;
Matches 134; Conservative 1; Mismatches 53; Indels 4; Gaps 1;

QY 29 TTTTAACTAAGGTATGTGCATTCCTTTTAAACGTGATGATATTGCACAGCTAATAGCCT 88
Db 189 TGTTAATTAAGTTATGTGCATTCCTTTTAGACATCATGCTATTGCACATGATAGACT 248

QY 89 ACAAGGTATGCTTAAACATACTTTTATATATGCTCTGGGACCC---AAATTTGTGTGATC 144
Db 249 ACAGTATCATGTAAACATAACTTTTATRTGCACCTGGAAACCAAAACATTGATGGCTC 308

QY 145 ACTTTATTGCATATATTCCTTTTATTGAGATGAACTGCAACTTATCTTGGCAATATCTCAA 204
Db 309 ATTTTATTGTGATTTACATGTTGTTCTCTCGAACCAAAACATTGATGGCTC 368

QY 205 GATATCTGTGTA 216
Db 369 GGTATGTCGTGA 380

RESULT 11
US-10-027-632-251256
; Sequence 251256, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09

```

; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 251256  
; LENGTH: 646  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-251256

Query Match 8.9%; Score 88.8; DB 13; Length 646;

Best Local Similarity 62.2%; Pred. No. 7.3e-08;  
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

```
QY 26 TACTTTAACTAAGGTATGTCATTCCTTTTAAACGTGATGATATGACAGCTAAATAG 85
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 107 TATTTTAAATTAAGGTAAGTACATTGTTTTTAGAGACAATGCCAATGCCGCTTGATAG 166
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 86 CCTACAAGGTATGGTTAAACATAACTTTTATATGTCCTGGGACCC---AAATTTGTGTA 141
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 167 ACTACAGTATAGTGAATAATAACTTTTATATGCATGGAACAACAAAAATTTGTGTA 226
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 142 ATCACTTTATTGACATATTCCTTTTATTGAGATGAACCTGCAATCTTATCTTCAATATCTC 201
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 227 CTCACCTTTATGATATTTGCTTAATGAGGTGCTCTGGAATGAACCTGGCAATATCTC 286
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 202 CAAGATATGCTGATGCGATTTCAAATAAGATGCAAAATTTATTATTAGTATAAAG 261
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 287 TGTGTGATGAAGTTATACCAGTGTAACAAATTTCTGGAATCAGAAATGGTTGATGCTAG 346
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 262 CAAATTTAATTTTC 275
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 347 TATTTACAGTTTTC 360
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

## RESULT 12

US-10-027-632-251257  
; Sequence 251257, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; FILE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; PRIOR FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 251257

; LENGTH: 646

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-251257

Query Match 8.9%; Score 88.8; DB 13; Length 646;

Best Local Similarity 62.2%; Pred. No. 7.3e-08;  
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

```
QY 26 TACTTTAACTAAGGTATGTCATTCCTTTTAAACGTGATGATATGACAGCTAAATAG 85
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 107 TATTTTAAATTAAGGTAAGTACATTGTTTTTAGAGACAATGCCAATGCCGCTTGATAG 166
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```



Db 347 TATTACAGTTTTC 360

## RESULT 14

US-10-027-632-251257  
; Sequence 251257, Application US/10027632  
; Publication No. US20030204075A9

## ; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; POLYMORPHISMS IN THE HUMAN GENOME

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027.632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 251257

; LENGTH: 646

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-251257

Query Match 8.9%; Score 88.8; DB 17; Length 646;  
Best Local Similarity 62.2%; Pred. No. 7.3e-08;  
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

Qy	26	TACTTTTAACTAGGTATGTCATCTCTTTTAAACGTGATGATATGTCACAGCTAATAG	85
Db	107	TATTTTAAATTAAGGTAACTATGTTTATGAGACAATGCAATGTCACGCTTGATAG	166
Qy	86	CTACACAGGTATGTTTAAACATACTTTTATATGTCCTGGGACCC-AAAATTTGTGTA	141
Db	167	ACTACAGTATAGTGAATATTAATCTTTTATATGACATGGAACAAAATTTGTGTA	226
Qy	142	ATCACTTTTATGACATATCTTTTATGAGTGAATGCAACTTATCTTTGCAATATCTC	201
Db	227	CTCACTTTATGTTGATATTTGCTTTAATGGAGGTGCTGGAATGAACTGGCAATATCTC	286
Qy	202	CAAGATATGTTGATGCGCATCTTCAATAAGATGTAATTTTATTTAGTATAAAAG	261
Db	287	TGTGTGATGAAGTTATACCAAGTGTACAAAATTTCTGGAATCAGAATTTGTTGCTGATG	346
Qy	262	CAAAATTAATTTTC 275	
Db	347	TATTACAGTTTTC 360	

## RESULT 15

US-10-717-597-10/c

; Sequence 10, Application US/10717597

; Publication No. US20040110221A1

## ; GENERAL INFORMATION:

; APPLICANT: Wyeth

; APPLICANT: Burczynski, Michael E.

; APPLICANT: Twine, Natalie C.

; APPLICANT: Dornier, Andrew J.

; APPLICANT: Trepicchio, William L.

; APPLICANT: Slonim, Donna K.

; APPLICANT: Stover, Jennifer A.

; TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS  
; FILE REFERENCE: AM101080L  
; CURRENT APPLICATION NUMBER: US/10/717,597  
; CURRENT FILING DATE: 2003-11-21  
; PRIOR APPLICATION NUMBER: US 60/459,782  
; PRIOR FILING DATE: 2003-04-03  
; PRIOR APPLICATION NUMBER: US 60/427,982  
; PRIOR FILING DATE: 2002-11-21  
; NUMBER OF SEQ ID NOS: 4904  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 10  
; LENGTH: 101569  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (22955)..(22955)  
; OTHER INFORMATION: No residue exists at "n" position (position 22955) in the  
; OTHER INFORMATION: corresponding human genome sequence (STS2 gene) in the Entrez  
; OTHER INFORMATION: Human Genome Sequence Database.  
US-10-717-597-10

Query Match 8.7%; Score 87.2; DB 18; Length 101569;  
Best Local Similarity 66.4%; Pred. No. 9.5e-07;  
Matches 158; Conservative 0; Mismatches 73; Indels 7; Gaps 2;

Qy	1	GCTTATTATTAGCACTTTTGTAGCCATA-----CTTTAACTAAGGTATGTCATTCCTT	54
Db	13067	GATGATTATTAGCACTTTCTAGCAATAAAGTATTTTAAATTAAAGGTATGTCATTCCTT	13008
Qy	55	TTTAAACGTGATGATATTGACAGCTAATAGCCTACAAGGTATGGTTAACATAACTTTTA	114
Db	13007	TTTAGACATAATGCTATTGACACTAGACTAGACTACAATATAGTGTGAATATAACTTTTA	12948
Qy	115	TATG-TCCTGGGACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTTATTGAGA	173
Db	12947	TATGAACCCGAGAAACCTGAAATATTTATATGACTTTTATTCGATAATTTGCTTTATTGCTG	12888
Qy	174	TGAACCTGCAACTTATCTTTCGAATATCTCCAAGATATGTTGTTATGCGCATTTCAAATAA	231
Db	12887	CAGTGTGGAACTGAGCGCTGCATATCTCCGAAGTACACCTGTACCTTCCTTATGTTA	12830

Search completed: April 5, 2005, 06:53:04  
Job time : 631.411 secs

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